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Addendum

The present addendum to document S/1999/746 of 2 July 1999 contains a detailed list of parts and equipment necessary for the purpose described in paragraph 1 of Security Council resolution 1175 (1998).*

* The list is reproduced in the language of submission only.

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Phase VI oil sector requirements - list of spare parts and equipment

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL NOC FIELDS
ACTIVITY NO. (01): WELL DRILLING & COMPLETION (40 WELLS)

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-01-001	CASING & TUBING (VARIOUS SIZES, GRADES & WEIGHTS)	MTR.	300000	Equipment and materials for drilling & completion of 125 wells throughout North Company area
08-06-01-002	CASING ACCESSORIES (VARIOUS)	NOS.	7500	"
08-06-01-003	CORE HEAD.	NOS.	5	"
08-06-01-004	ROCK BITS(VARIOUS)	NOS.	600	"
08-06-01-005	NOZZLES (VARIOUS)	NOS.	1200	"
08-06-01-006	SINGLE PACKER (VARIOUS)	SET	40	"
08-06-01-007	OIL WELL CEMENT & ADDITIVES.	TON	600	"
08-06-01-008	MUD MATERIALS (BARYTES, BENTONITE, XC-POLYMER, CAUSTI SODA, SODA ASH, POLYMER CELLELOUSE, SODIUM BICARBONAT CMC-LV, CMC-HV, MICA FLAKES, F.C.LIGNOSULFONATES, STARCH ANTIFOAM, PRIMARY, EMULSIFIRE, SECONDARY EMULSIFIRE LIME, SODIUM DICROMATE, CELLOPHAN, GELTON, ATTAPULGITE STUCK BREAKER, FLOSAL, IRONITE SPONGE).	TON	12000	"
08-06-01-009	WELL HEADS & X - MAS TREES (VARIOUS) WITH ACCESSORIES AND SPARE PARTS COMPLETE	ASSEMBLY	40	"
08-06-01-010	LINER HANGER & ACCESSORIES.	SET	25	"
08-06-01-011	CROSSOVER SUBS.	NOS.	120	"
08-06-01-012	DRILLING SERVICES CONTRACTS / CONTRACTOR WILL B RESPONSIBLE FOR DRILLING THE WELLS EXCEPT MATERIAL WHICH WILL BE PROVIDED BY NOC CONTRACT WILL B ADMINISTERED BY IRAQI DRILLING COMPANY	WELL	40	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL NOC FIELDS
ACTIVITY NO. (02): WELL WORK OVER & COMPLETION

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-02-013	X-MAS TREE& TUBING HANGER WITH ACCESSORIES AND SPARE PARTS (VARIOUS SIZES)	ASSEMBLY	18	Workover & completion of 37 new wells
08-06-02-014	DOUBLE STUDDED ADAPTERS & ACCESSORIES	SET	55	"
08-06-02-015	CASING & TUBING (VARIOUS SIZES,GRADES & WEIGHTS).	MTR.	22000	"
08-06-02-016	SINGLE PACKERS WITH ALL ACCESSORIES	SET	20	"
08-06-02-017	UNCEMENTED LINER HANGER	SET	3	"
08-06-02-018	DUAL PACKER WITH ALL EQUIPMENT & ACCESSORIES	SET	3	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL AREAS
ACTIVITY NO. (03): SUPPORTING MATERIALS AND EQUIPMENT FOR WELLS PRODUCTION MAINTENANCE

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-03-019	DRILLING SIMULATOR.	SET	1	Materials and equipment for well production maintenance
08-06-03-020	SOFT WARE FOR DRILLING APPLICATION.	SET	1	"
08-06-03-021	EQUIPMENT WITH ALL ACCESSORIES FOR OIL WELL CEMENT SLURRY LAB TESTS.	SET	3	"
08-06-03-022	LAB. TESTING EQUIPMENT FOR OIL, GAS AND WATER WITH SPARE PARTS & ACCESSORIES .	SET	113	"
08-06-03-023	GEOLOGICAL LAB TESTING EQUIP. WITH SPARE PARTS & ACCESSORIES.	SET	17	"
08-06-03-024	HYDROCHLORIC ACID.	TON	1500	"
08-06-03-025	ACID CORROSION INHIBITOR.	GAL	2750	"
08-06-03-026	WIRE LINE EQUIPMENT AND SPARES.	ITEM	200	"
08-06-03-027	SPARES FOR AMERADA PRESSURE GAUGES.	ITEM	2800	"
08-06-03-028	PRESSURE GAUGES.	NOS.	70	"
08-06-03-029	PERFORATION MATERIALS (HOLLOW CARRIER CHARGES, DETONATING CORD, DETONATING FUSES &ACCESSORIES TO ALL ABOVE).	ITEM	5	"
08-06-03-030	LOGGING SERVICES.	WELL	50	"
08-06-03-031	PROCESS AND MULTIPHASE FLOW SIMULATOR.	SET	1	"
08-06-03-032	SPARE PARTS FOR CEMENTING UNITS & TYRES.	ITEM	125	"
08-06-03-033	SPARES FOR TESTING EQUIPMENT	ITEM	200	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: (ITP/L, PROCESS P.ST., K3 ST., TI ST.)
MISC. SPARES & EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-034	FILTER ELEMENT FOR VOITH TURBO COUPLING TWIN FILTER TYPE NW 50	SET	8	Spare parts and replacements for North Oil company pumping stations
08-06-00-035	GEAR BOX COMPLETE UNIT	NOS.	1	"
08-06-00-036	SPARE PARTS FOR MEDIVANE CENT. PUMP:-			"
08-06-00-037	A- THRUST PAD R.H. NO.(4 ER)	SET	7	"
08-06-00-038	B- THRUST PAD L.H. PART NO.(4 ER)	SET	7	"
08-06-00-039	C- GLAND PACKING SIZE 14.5 mm2	NOS.	56	"
08-06-00-040	SPARE PARTS FOR ELECTRIC MOTOR DRIVEN PUMP (EACH SET CONSISTS OF TWO PARTS)	SET	6	"
08-06-00-041	MULTI STAGE CENTRIFUGAL PUMP DRIVEN BY SUITABLE DIESEL ENG.	NOS.	2	"
08-06-00-042	CRUDE OIL FLOW COUNTERS (3" x 3 ") ,1000 L/M	NOS.	10	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL NOC FIELDS

MISC. EQUIPMENT & ACCESSORIES FOR FIRE FIGHTING & SAFETY

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-043	FIRE FIGHTING TRUCK (WITH HYDRAULIC BOOM & CAP.WATER 4000 L, FOAM 4000 L	NOS.	1	Safety & fire-fighting equipment for all North Area operations
08-06-00-044	FLUOR – PROTEIN FOAM	LIT	50000	"
08-06-00-045	HYDRANT VALVE	NOS.	80	"
08-06-00-046	FIXED MONITOR (WATER)	NOS.	40	"
08-06-00-047	DELIVERY HOSE A- 30 M LENGTH, SIZE 2 ½" B- 30 M LENGTH, SIZE 1 ½"	 NOS. NOS.	 100 50	"
08-06-00-048	COMPRESSED AIR BREATHING APPARATUS	NOS.	20	"
08-06-00-049	OXYGEN BREATHING APPARATUS	NOS.	10	"
08-06-00-050	MINI GAS INDICATOR	NOS.	5	"
08-06-00-051	FLAMMABLE GASES & VAPOR INDICATOR	NOS.	15	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: SUFAYA OIL FIELD
MISC. SPARES & EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-052	SPARE PARTS FOR SOFTENED WATER PUMPS:- 205A/B TYPE WK 40/4N A- PUMP SHAFT DRW. NO. (1751.21M/3) B- BALL BEARING C- CYL. BEARING D- TRANSMISSION UNIT	 NOS. NOS. NOS. NOS.	 2 2 2 2	Repair and maintenance of equipment at the Sufaya field, near the Syrian border
08-06-00-053	SPARE PARTS FOR INDUSTRIAL WATER PUMPS (TRANSMISSION UNIT)	NOS.	2	"
08-06-00-054	SPARE PARTS FOR FLARE K.O. DRUM DISC. PUMPS:- A- MEMBRANE UNIT (2711-291M/4) B- BALL BEARING	 NOS. NOS.	 2 4	"
08-06-00-055	SPARE PARTS FOR RECOVERY OIL PUMPS:- A- BALL BEARING B- MEMBRANE UNIT C- MECH. SEAL	 NOS. NOS. NOS.	 2 2 2	"
08-06-00-056	SPARE PARTS FOR DEOILED WATER PUMPS 304A/B TYPE WK 80/4 :- A- IMPELLER B- TRANSMISSION UNIT C- MECH. SEAL	 NOS. NOS. NOS.	 3 2 2	"
08-06-00-057	TRANSMISSION UNIT FOR TANK DRAIN PUMPS	NOS.	2	"
08-06-00-058	MEMBRANE UNIT FOR MANIFOLD PITS PUMPS	NOS.	2	"
08-06-00-059	BALL BEARING FOR OILY WATER PUMPS	NOS.	4	"
08-06-00-060	MECH. SEAL COMPLETE UNITS FOR CRUDE OIL TRANSFER PUMPS.	NOS.	4	"
08-06-00-061	SPARE PARTS FOR SUCKER ROD PUMPS:- A- ROD VALVE B- SHOE UPPER HALF C- CAGE TOP PLUNGER D- BARREL TUBE HARDENED	 NOS. NOS. NOS. NOS.	 8 8 8 8	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: BAI HASSAN SOUTH, NORTH
& DAWOOD DEGASSING STATIONS
MISC. SPARES & EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-062	GAS COMPRESSION TRAIN	SET	3	To increase gas extraction capability from increased crude production
08-06-04-063	ACTIVITY NO.(04) :- PRODUCTION FACILITIES IN BAI HASSAN SOUTH INCLUDING THE FOLLOWING MAJOR ITEMS: 1st- THREE PHASE 1ST. STAGE SEPARATOR 3*35000 BOPD. OPERATING AT 150 psig. 2nd-THREE PHASE TEST SEPARATOR 10000 BOPD OPERATING AT 60 psig.	 NOS. NOS.	 3 1	Three phase separators required to de-water wet crude resulting from increased production. Crude can contain up to 10% water therefore increased separation is important requirement.
08-06-05-064	ACTIVITY NO.(05) :- PRODUCTION FACILITIES IN BAI HASSAN NORTH INCLUDING THE FOLLOWING MAJOR ITEMS: 1st- THREE PHASE 1ST. STAGE SEPARATOR 2*35000 BOPD. OPERATING AT 150 psig. 2nd-THREE PHASE TEST SEPARATOR 10000 BOPD OPERATING AT 60 psig.	 NOS. NOS.	 2 1	"
08-06-06-065	ACTIVITY NO.(06) :- PRODUCTION FACILITIES IN BAI HASSAN DAWOOD INCLUDING THE FOLLOWING ITEMS : 1st- THREE PHASE 1ST. STAGE SEPARATORS 2*35000 BOPD. OPERATING AT 150 psig. 2nd-THREE PHASE TEST SEPARATOR 10000 BOPD OPERATING AT 60 psig .	 NOS. NOS.	 2 1	"
08-06-00-066	DIESEL OPERATED MOBILE HEAVY OIL PUMP (ALL AREAS)	NOS.	2	To cover all North Area operations

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL NOC FIELDS
TRUCKS & VEHICLES

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-067	REFRIGERATOR TRUCK . CHASSIS 4x2 , WITH DIESEL ENGINE . H.P (300).	NOS.	2	General transportation requirement of trucks and vehicles for staff movement to cover repairs and maintenance
08-06-00-068	CESSPIT EMPTIER TRUCK . CHASSIS 4x2 DIESEL ENGINE ,H.P (200 – 250) . TANK CAPACITY 8000 LIT ,	NOS.	3	"
08-06-00-069	OIL TANK TRUCK . CHASSIS 4x2 . DIESEL ENGINE H.P (250 – 300) . TANK CAPACITY 12000 LIT	NOS.	5	"
08-06-00-070	WATER TANK TRUCK . CHASSIS 6x4 WITH DIESEL ENGINE . H.P (300 – 350) , TANK CAPACITY 12000 LIT	NOS.	5	"
08-06-00-071	BUS (45) SEATER . 4x2 . WITH A / C , DIESEL ENGINE , H.P (250 – 300) .	NOS.	40	"
08-06-00-072	BUS (30) SEATER .4x2 .WITH A / C , DIESEL ENGINE , H .P (150) .	NOS.	10	"
08-06-00-073	BUS (12) SEATER WITH A / C, PETROL ENGINE , H.P (8-100) .	NOS.	10	"
08-06-00-074	STATION WAGON 4 X 4, 7 SEATER PETROL ENGINE, H. P. (120) MANUAL TRANSMISSION .	NOS.	20	"
08-06-00-075	PICK-UP DOUBLE CABIN , 4 x 2 , 5 SEATERS, 4 DOORS , PETROL ENGINE , H. P. (100 - 120) , MANUAL TRANSMISSION ,	NOS.	30	"
08-06-00-076	LORRY 12 TON , DIESEL ENGINE , H . P (300 – 350), 6 x 4 WITH CRANE MAX CAPACITY (6) TON.	NOS.	10	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL NOC FIELDS

HEAVY & MOBILE PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-077	TIP TRUCK . CHASSIS 6x4 DIESEL ENGINE , H . P (300 - 350) . DUMP CAPACITY (12) M3 ..	NOS.	10	Excavators and heavy equipment for digging and land grading for North area
08-06-00-078	TURNTABLE TRUCK SUITABLE FOR PIN SIZE 3.5"x 4.5" LO FOR 70 TONS MINIMUM . SEMI – TRAILER (LOW LOADER). 6x4 DIESEL ENGINE. H.P. (350 – 400) .	NOS.	3	"
08-06-00-079	TURNTABLE TRUCK SUITABLE FOR PIN SIZE 3.5" x 4.5" LONG , 6x 4 ,DIESEL ENGINE .H.P(350 – 400) .	NOS.	7	"
08-06-00-080	CEMENT MIXTURE FITTED ON CHASSIS 6x4 ,DIESEL ENGINE. H . P (300) , SEPARATE ENGINE FOR MIXTURE , MIXTURE CAPACITY (8) M3 ..	NOS.	4	"
08-06-00-081	BULL DOZER CRAWLER TYPE, WITH DIESEL ENGINE, H.P. (350 – 400) , BLADE BUCKET CAPACITY (10 – 12) M3 , WITH A SINGLE SHANK .	NOS.	4	"
08-06-00-082	EXCAVATOR WHEEL TYPE, H. P. (160 – 180) , BUCKET CAPACITY 0.5 – 1 M3.	NOS.	2	"
08-06-00-083	EXCAVATOR CRAWLER TYPE, H.P. (220 – 260) . BUCKET CAP. 1-2M3,	NOS.	2	"
08-06-00-084	MOTOR GRADER, WITH DIESEL ENGINE . H.P. (200 – 250). BLADE CAPACITY (2) M3 ..	NOS.	5	"
08-06-00-085	MOBILE HYDRAULIC CRANE. 6 x 4 , WITH DIESEL ENGINE, H.P. (250 – 300) , LIFTING CAPACITY 20 TON WITH FLYJIB ,.	NOS.	5	"
08-06-00-086	MOBILE HYDRAULIC CRANE. 6 x 4 , WITH DIESEL ENGINE, H.P. (250 – 300) , LIFTING CAPACITY 50 TON WITH FLYJIB.	NOS.	1	"
08-06-00-087	MOBILE HYDRAULIC CRANE. 6 x 4 , WITH DIESEL ENGINE, H.P. (250 – 300) , LIFTING CAPACITY 30 TON WITH FLYJIB.	NOS.	2	"
08-06-00-088	HYDRAULIC WHEEL LOADER, WITH DIESEL ENGINE, H. P. (220) , BUCKET CAPACITY (3) M3 .	NOS.	4	"
08-06-00-089	GENERATOR 75 K VA , 50 HZ , 3PH , DIESEL ENGINE	NOS.	4	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL NOC FIELDS
HEAVY & MOBILE PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-090	GENERATOR 1000 K VA, 50 HZ, 3PH, DIESEL ENGINE	NOS.	2	Stand-by generation equipment, heavy lifting equipment for North area
08-06-00-091	GENERATOR 500 K VA, 50 HZ, 3PH, DIESEL ENGINE	NOS.	3	"
08-06-00-092	GENERATOR 250 K VA, 50 HZ, 3PH, DIESEL ENGINE	NOS.	3	"
08-06-00-093	GENERATOR 30 K VA, 50 HZ, 3PH, DIESEL ENGINE, ON FOUR WHEEL TRAILER	NOS.	2	"
08-06-00-094	GENERATOR 10 K VA, 50 HZ, SINGLE PHASE, DIESEL ENGINE, ON FOUR WHEEL TRAILER	NOS.	4	"
08-06-00-095	LIGHTING SET, DIESEL ENGINE AIR COOL, 12 K VA / FITTED ON TWO WHEEL TRAILER.	NOS.	4	"
08-06-00-096	LIFTING TRUCK (5) TON, DIESEL ENGINE, H.P. (100 – 120). MAX LIFTING HEIGHT (5) M.	NOS.	10	"
08-06-00-097	LIFTING TRUCK (10) TON, DIESEL ENGINE, H. P (150 – 180), LIFTING MAX HEIGHT (7 – 8) M.	NOS.	5	"
08-06-00-098	DUMPER, DIESEL ENGINE AIR-COOLED, H.P (12). BUCKET CAPACITY (1.5) M3..	NOS.	10	"
08-06-00-099	VIBRATING ROLLER, DIESEL ENGINE H.P 30 – 50, HYDROSTATIC TRANSMISSION. STEERING SYSTEM: HYDRAULIC.	NOS.	2	"
08-06-00-100	DIESEL LUBRICATING UNIT, 4 X 2 CHASSIS, SINGLE CABIN, H.P. 250-300 MANUAL TRANSMISSION EACH SIDE.	NOS.	2	"
08-06-00-101	MOBILE WORKSHOP FOR ELECTRIC USAGE WITH A/C, CHASSIS 4 X 4, H.P. 250-300, MANUAL TRANSMISSION ASSEMBLY.	NOS.	2	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL NOC FIELDS

MAJOR SPARES FOR REHABILITATION OF VEHICLES

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-102	SCANIA TRANSMISSION ASSEMBLY WITH PLANETARY TRANSMISSON ASSEMBLY .	NOS.	20	Workshop equipment and heavy spares for vehicle repair and maintenance workshop. All items in this section required simultaneousiy for effective utilization
08-06-00-103	MITSUBISHI PAJERO 4WD TRANSMISSION WITH TRANSFER ASSEMBLY .	NOS.	6	"
08-06-00-104	MITSUBISHI , L 200, W – CAB , 4WD TRANSMISSION WITH TRANSFER ASSEMBLY.	NOS.	2	"
08-06-00-105	ENGINE ASSEMBLY WITH ALL ACCESSORIES ENGINE TYPE. MITSUBISHI 4 G 54 MODEL VEHICLE : LO 47 G . S / NO. JO 4704 – GA 7319.YEAR 1985	NOS.	10	"
08-06-00-106	ENGINE ASSEMBLY TOYOTA WITH ALL ACCESSORIES TYPE : 2F .	NOS.	10	"
08-06-00-107	ENGINE ASSEMBLY TOYOTA WITH ALL ACCESSORIES TYPE : 3F .	NOS.	5	"
08-06-00-108	ENGINE ASSEMBLY WITH CLUTCH NISSAN VEHICLE.	NOS.	10	"
08-06-00-109	SHAFT REAR AXLE HINO TIP TRUCK VEHICLE .	NOS.	20	"
08-06-00-110	TRANSMISSION ASSEMBLY FITTED TO SHOVEL KAWASAKI KSS 70B .	NOS.	2	"
08-06-00-111	TRANSMISSION ASSEMBLY FITTED TO LIFTING TRUCK KOMATSU FD 50(5) TON .	NOS.	2	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL NOC FIELDS
MAJOR SPARES FOR REHABILITATION OF VEHICLES

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-112	TRANSMISSION ASSEMBLY FITTED TO LIFTING TRUCK KOMATSU FD 30 – (3) TON .	NOS.	2	"
08-06-00-113	ENGINE ASSEMBLY WITH ALL ACCESSORIES FITTED TO ROLLER SAKAI .	NOS.	1	"
08-06-00-114	ENGINE ASSEMBLY WITH ALL ACCESSORIES MITSUBISHI 8V 8D DIESEL WATER COOL FITTED TO CRANE KATO CAPACITY 120 TON	NOS.	1	"
08-06-00-115	ENGINE ASSEMBLY WITH ALL ACCESSORIES CATERPILLAR TYPE 34 06 FITTED TO CRANE GROVE 75 TON ,	NOS.	1	"
08-06-00-116	ENGINE ASSEMBLY WITH ALL ACCESSORIES CATERPILLAR TYPE D 3208 FITTED TO CRANE GROVE 75 TON	NOS.	1	"
08-06-00-117	PETROL FILLING PUMPS TO BE INSTALLED IN EXISTING FILLING STATION .	NOS.	3	"
08-06-00-118	GAS OIL FILLING PUMP . TO BE INSTALLED IN EXISTING FILLING STATION.	NOS.	2	"

LOCATION: ALL FIELDS
ACTIVITY NO. (07): FLOW LINES , FITTING FOR WELLHEAD CONNECTIONS
FOR (53) WELLS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-07-119	PIPES, DIFFERENT SIZES	KM	190	Flow lines for 53 wells
08-06-07-120	VALVES, DIFFERENT TYPES	NOS.	150	"
08-06-07-121	FITTING (ELBOWS, REDUCERS & FLANGES)	NOS.	1600	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: PROCESS PLANTS KIRKUK AREA

SPARES & EQUIPMENT

A.-ELECTRICAL

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-122	33KV PACKAGE SUBSTATION FOR PROCESS PLANT WITH ALL ACCESSORIES.	PACKAGE	1	Electrical spares for process plants
08-06-00-123	SPARE PARTS FOR 110 V SYSTEM (RECTIFER+ INVERTER) AT PROCESS PLANT (PRINTED CARDS , THYRISTOR , DIODES...ETC) TYPE SAB – NIFE	ITEM	20	"
08-06-00-124	SPARE PARTS FOR O/H CRANE 3 TON & 5 TON TYPE STAHL AT AB1, 2,3 (MANUAL OPERATION SW. & CABLE , RELAYS, TIMERS, LIMIT SWITCH. .ETC)	NOS.	30	"

B. INSTRUMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-125	REPLACEMENT OF THE EXISTING AUTOMATIC GAS FIRING SYSTEM & MODIFICATION OF SOME OBSOLETE MAIN INSTRUMENTS BY NEW UP TO DATE FULLY – AUTOMATIC GAS FIRING CONTROL SYSTEM FOR BOILER	UNIT	9	Automatic control systems for boiler operation

C.MECHANICAL

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-126	REPLACEMENT OF EXISTING GROUND FLARE AND REHABILITATION OF TOWER FLARE SYSTEM AT PROCESS PLANT	LOT	1	Replacement of non-functioning flare system
08-06-00-127	PREMIXED CONCRETE READY TO USE FOR LINING REPAIRE & PROTECTION OF OIL HEATER & CHIMNEY STEEL SHELL AGAINST HEAT, H2S & SO2 GASES STAINLESS STEEL ANCHORS Y TYPE OR V TYPE (LENGHT 10-50 CM) .	TON NOS.	700 7000	Construction equipment, and anchors, for chimney reconstruction
08-06-00-128	SPARES FOR REBOIL PUMP TYPE ZM1 750/06 AT NEW PROCESS	NOS.	175	Spare parts for pump
08-06-00-129	TUBES FOR STEAM BOILER 3 " OD X 11 F ASTM A- 53 GASKET FOR STEAM BOILER 320 X 220 X 25 X 10 MM	NOS. NOS.	100 75	Replacement tubing for boiler
08-06-00-130	SPARES FOR AIR COMP. TYPE K.S.B. TYPE TV 12 / TV 5	ITEM	15	Air compressor spares

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: DEGASSING & COMPRESSOR STATIONS
MATERIALS & SPARES
A-ELECTRICAL

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-131	LOW VOLTAGE MOTORS FOR GAS COMP. STN. (AB1 TO AB8)	NOS.	40	Spares for degassing and compressor stations
08-06-00-132	SPARE PARTS FOR CENTRILIFT CRUDE SUBMERSIBLE PUMPS AT JABAL BUR	ITEM	8	"
08-06-00-133	OIL IMMERSION HEATERS FOR GAS COMP. LUB OIL SYSTEM.	NOS.	8	"
08-06-00-134	SPARE PARTS FOR 110 V. SYSTEM(RECTIFIER+ INVERTER) AT KHABAZ OIL FIELD (PRINTED CARDS , RECTIFIER , BRIDGE , THYRISTOR...ETC)	NOS.	50	"
08-06-00-135	BEARING FOR H.P & L.P COMP. MOTOR TYPE T.P.C B 800 B4	NOS.	6	Engine spare parts
08-06-00-136	SPARE PARTS FOR 400 V EMERGENCY DIESEL GENERATOR TYPE CATERPILLAR IN KHABAZ OIL FIELD	SET	8	Generator spare parts

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MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: DEGASSING & COMPRESSOR STATIONS, ALL AREAS
MATERIAL & SPARES
B-INSTRUMENTS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-137	.REPLACEMENT OF OBSOLETE SOLAR TURBINE& COMP. TURBINE SYSTEM CONTROL SYSTEM TYPE CS4000	SET	3	Instrumentation spare parts and replacements for degassing and compressor stations
08-06-00-138	SPARES FOR SOLAR TURBINES (PRESSURE & TEMP SWITCH ,GAS FUEL CONTROL ASSEMBLY, SOLENOID VALVE...etc.	LOT	1	"
08-06-00-139	REPLACEMENT OF OBSOLETE CONTROL SYSTEM OF GHH GAS COMPRESSOR AT AB/11	SET	2	"
08-06-00-140	ANTI SURGE CONTROL VALVE AT AB/8 COMPLETE WITH ALL ACCESSORIES	NOS.	1	"
08-06-00-141	TEMP.RECORDERS FOR GAS COMPRESSOR REPLACEMENT FOR OBSOLETE 6 CHANNEL MEASURING RANGE 0-200 C, POWER SUPPLY 115 VAC 50 HZ, DIMENSION 280X280 MM	NOS.	15	"
08-06-00-142	OVER HAUL SPARE KIT FOR SHUTDOWN VALVE	ITEM	23	"
08-06-00-143	CONTROL & MEASURING INSTRUMENT FOR ALL DEGASSING & COMPRESSOR STATION.	NOS.	250	"
08-06-00-144	SPARE PARTS FOR KHABAZ PLC CONTROLLERS	ITEM	18	"
08-06-00-145	AUTOMATIC TANK GUAGE FOR MEASUREMENT OF LIQUID (OIL, WATER) LEVEL IN FIXED CONE ROOF TANKS AT KHABAZ FIELD.	NOS.	6	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: DEGASSING & COMP. STATION
MATERIAL & SPARES
C-MECHANICAL

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-146	SPARE PARTS FOR SOLAR TURBINES	ITEM	25	Spare parts and replacements for degassing and compressor stations; some items need replacing as spare parts no longer available
08-06-00-147	SPARE PARTS MECHANICAL FOR HITACHI TURBINE	ITEM	25	"
08-06-00-148	SEAL OIL PUMP FOR GAS COMP. STATION	NOS.	8	"
08-06-00-149	REPLACEMENT OF HIGH & LOW PRESSURE TURBINE ROTOR FOR L.P. H.P HITACHI M314 2 AT AB8.	SET	1	"
08-06-00-150	REHABILITATION/REBUILDING OF HITACHI GAS TURBINE TRAIN B OF AB2.	SET	1	"
08-06-00-151	REPAIR OF GAS TURBINE ROTORS & NOZZELS FOR HITACHI M3142 (SERVICE CONTRACT IN SPECIALIZED WORKSHOPE ABROAD) FOR AB3 TRAIN(C)	SET	8	"
08-06-00-152	REPAIR OF GAS PRODUCER TURBINE ROTOR (SOLAR) AT AB4 CS 4000 (SERVICE CONTRACT AT SOLAR WORKSHOPE)	SET	1	"
08-06-00-153	REPLACEMENT OF COPPUS STARTING TURBINE HITACHI AT AB 1 , 2 , 3	SET	3	"
08-06-00-154	MECHANICAL PARTS FOR KHABAZ COMPRESSORS	NOS.	20	"
08-06-00-155	CONNECTION OF SHURAU DEGASSING TO PROCESS PLANT - LINE PIPE 20 " ERW BEVELED ENDS, L X 52 - LINE PIPE 16 " ERW BEVELED ENDS, L X 52 - FITTINGS & ACCESSORIES FOR ABOVE PIPES	 KM KM LOT	 5 4 2	Well connection equipment for Shurau field

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MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: POWER GENERATION PLANTS
SPARES & MATERIALS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-156	SPARE PARTS FOR GT-35 GAS TURBINE GENERATOR ELECTRICAL (50 ITEMS),MECHANICAL(2KITS+20 ITEMS), INSTRUMENT (50 ITEMS)	ITEM & KIT	122	Spares and materials for power generation plants.
08-06-00-157	SPARE PARTS FOR STEAM TURBINE GENERATOR (ROTATING BLADES , SHROUD , BEARINGS .... etc)	ITEM	12	"
08-06-00-158	SPARE PARTS FOR WATER PUMP & FOR STEAM TURBINE GENERATOR	LOT	1	"
08-06-00-159	BOILER TUBE & SUPER HEATER TUBES WITH ALL ACC.	NOS.	3500	"
08-06-00-160	ALUMINIUM FOIL FOR COOLING TOWER	TON	20	NOTE THIS ITEM STILL "ON HOLD" FROM PHASE 4. Plant remains non-operational until foil is delivered.
08-06-00-161	FIRE BRICKS FOR BOILERS & CHIMNEYS	NOS.	4000	"
08-06-00-162	BOILER MOUNTINGS, COMPLETE WITH SPARES	ITEM	4	"

LOCATION: WORKSHOPS
A-ELECTRICAL

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-163	EQUIPMENT FOR MOTOR REWINDING (MACHINES FOR COIL WINDING & ELECTRICAL OVEN , TESTING DEVICES ... ETC)	ITEM	10	Electrical equipment required for North area workshop complex
08-06-00-164	MATERIALS FOR MOTOR REWINDING (INSULATORS)	ITEM	10	"
08-06-00-165	ELECTRICAL MEASURING EQUIPMENT (MAGGER 0-10000 V , PRESSURE TEST , D,C CLAMP METERS.... ETC)	ITEM	10	"
08-06-00-166	STEAM BOILER MOBILE (25 LT/MIN. , TEMP. 150 C , PRESSURE 160 BAR)	NOS.	6	"
08-06-00-167	EQUIPMENT FOR CABLE AND OVER HEAD LINES CONSTRUCTION	NOS.	20	"
08-06-00-168	HYDRULIC BENDING MACHINE FOR CARBON STEEL A53 PIPE UPTO 6 "	NOS.	1	"
08-06-00-169	SET OF PNEUMATIC TOOLS	SET	1	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: WORKSHOPS
B-MECHANICAL

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-170	HOT TAPPING MACHINE	NOS.	2	Mechanical spares for workshops
08-06-00-171	PIPE CUTTER DIFFERENT SIZE (PNEUMATIC)TYPE SIZE 24" – 32" & 40" – 46"	NOS.	4	"
08-06-00-172	PIPE CUTTER DIFFERENT SIZE (MANUAL) SIZE UP TO 20"	SET	5	"
08-06-00-173	LATHE MECHINE	NOS.	4	"
08-06-00-174	MILLING MACHINE	NOS.	1	"
08-06-00-175	SHEARING MACHINE	NOS.	1	"
08-06-00-176	FLANGE SPREADER FOR FLANGE SIZE ABOVE 10" AND DIFF. CLASS	NOS.	4	"
08-06-00-177	HYDRAULIC PULLER WITH ACC. 50 TON	NOS.	4	"
08-06-00-178	TUBE EXPANDER DIFFERENT SIZE(PNEUMATIC) FOR EXPANDED HEATER TUBE AND BOILER TUBE AT OLD AND NEW PROCESS PLANT SIZE 3" TO 6"	SET	4	"
08-06-00-179	TUBE EXTRACTOR FOR HEAT EXCHANGER UP TO 1.5" (PNEUMATIC)	SET	4	"
08-06-00-180	GROOVING TOOL SET FOR HEAT EXCHANGER SEATS SIZE UP TO 1.5"	NOS.	3	"
08-06-00-181	DRILLING BITS BIG SIZES FROM 1" - 4 FOR MECHANICAL WORKSHOP	NOS.	6	"
08-06-00-182	CYLINDER BLOCK REAMING MACHINE (ELEC.) WITH ALL ACCESSORIES & SPARES	SET	2	"
08-06-00-183	VALVE CUTTER (ELEC.) WITH ACCESSORIES & SPARES	SET	1	"
08-06-00-184	VALVE GRINDER(ELEC.) WITH ACCESSORIES & SPARES	SET	1	"
08-06-00-185	SPECIAL HYDRAULIC PULLERS WITH (ACC.) FOR THERMODYN GAS COMP. (KHABAZ TO REMOVE THE COMPRESSOR HUBS	SET	4	"
08-06-00-186	COMPLETION OF SOLAR GAS TURBINE WORKSHOP (SERVICE & SUPPLY CONTRACT)	CONTRACT	1	"
08-06-00-187	VIBRATION ANALYZER FOR ROTATING MACHINES	NOS.	1	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: WORKSHOPS
C-INSTRUMENTS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-188	INSTRUMENT TEST EQUIPMENT (DIGITAL HAND TEST) PUMPS (30 NOS.) , CURRENT & VOLTAGE GENERATOR (10 NOS.)	NOS.	40	Electrical test equipment
	D-MECHANICAL + ELECTRICAL			
08-06-00-189	WORKSHOP RAW MATERIAL (OIL BRONZE ,BRASS, BARS ...ETC).	NOS.	200	Materials for workshop

LOCATION: ZAB AREA
SPARES FOR WATER INJECTION
& PUMPING STATION

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-190	REPLACEMENT OF COMPLETE ACTUATORS (20 NOS.) & ONE LOT OF SPARE PARTS FOR OTHER ACTUATORS	LOT	2	Replacement parts for water injection station at ZAB
08-06-00-191	CLORINATOR	NOS.	14	"

LOCATION: POWER HOUSE
REPAIR OF ROTATING EXCITER (ELECTRICAL)

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-192	REPAIR OF 18 MW , 11 KV ROTATING EXCITER FOR POWER HOUSE (SERVICE CONTRACT)	CONTRACT	1	Contract for repair to power station equipment

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MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL AREAS
A-ELECTRICAL MATERIALS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-193	REPLACEMENT OF FAULTY ELECTRICAL PROTECTION SYSTEM AT JABAL BAUR SUBSTATION	SET	1	Replacement and spares for electrical items in all NOC areas
08-06-00-194	REPLACEMET OF FAULTY & DAMAGED ELECTRICAL PROTECTION SYSTEM IN DIFFERENT ELECTRICAL SUBSTATION	SET	40	"
08-06-00-195	REPLACEMENT OF NICD BATTERIES IN DIFFERENT LOCATION & SUBSTATION (BABA & ARAPHA & K1 SUB-LOOP , DEGASSING SUBSTATION & GAS COMP. STN , PUMPING K.K.. , K3 STN).	SET	10	"
08-06-00-196	REPLACEMENT OF DAMAGED & OBSELETE CHARGERS & U.P.S. SYSTEM IN SUBSTATIONS(BABA & ARAPHA & K1 SUB-LOOP , DEGASSING SUBSTATION & GAS COMP. STN , PUMPING K.K.. , K3 STN).	SET	50	"
08-06-00-197	H.T. & L.T. POWER CABLES FOR REPAIRE OF ELECTRICAL NETWORK	KM	60	"
08-06-00-198	ALUMINUM STRANDED CONDUCTORS STEEL REINFORCED (ACSR) CONDUCTORS (FOR THE MAINTENANCE AND REPLACEMENT FOR NOC OVERHEAD LINE NET WORK).	KM	60	"
08-06-00-199	TERMINATION KITS & JOINTS (FOR THE MAINTENANCE & REPL. FOR NOC OVERHEAD LINE & CABLE NET WORK).	NOS.	3000	"
08-06-00-200	HIGH POWER (2000 W)LIGHTING FITTING COMPLETE WITH LAMPS	NOS.	150	"
08-06-00-201	SODIUM & MERCURY LAMPS .	NOS.	8000	"
08-06-00-202	CONTACTORS & THERMAL OVER LOAD & TIMERS & AUX'S	NOS.	200	"
08-06-00-203	PIN INSULATOR 33 KV COMPLETE WITH SPINDLE	NOS.	200	"
08-06-00-204	33 KV OUT DOOR LINE ISOLATER	NOS.	6	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL NOC AREAS

B-PLANT SURVEY EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-205	DENSITOMETER	NOS.	1	NDT testing equipment
08-06-00-206	POCKET RATEMETER	NOS.	6	"
08-06-00-207	STANDARD FILM	SET	2	"
08-06-00-208	INFRARED THERMOMETER	NOS.	1	"
08-06-00-209	INFRARED IMAGE CAMERA	NOS.	1	"
08-06-00-210	POCKET RADIATION MONITOR	NOS.	2	"
08-06-00-211	SPARE FOR KRAUTKRAMER EQUIPMENT 1st- DM2 ULTRA SONC THICNESS METER 2nd-DM3 ULTRA SONC THICNESS METER 3rd- USK 7D FLOW DETECTOR	 NOS. NOS. NOS. TUBE	 4 6 11 4	"
08-06-00-212	- CATHODIC PROTECTION MONITORING SET / INCLUDING PC+NOTEBOOK+PRINTER+PLOTTER+SOFTWARE+ALL ACCESSORIES - CURRENT INTERRUPTER+ ALL ACCESSORIES	SET SET	2 2	"
08-06-00-213	THICKNESS METER ULTRASONIC	NOS.	2	"
08-06-00-214	DYE PENITRANT (FLOURESCENT) FOR CRACK DETECTION	CAN	24	"
08-06-00-215	MAGNETIC PARTICLE (FLOURESCENT) FLUID FOR CRACK DETECATION	CAN	24	"
08-06-00-216	SPARES FOR VACUUM TESTING SET (VACUUM BOX WITH CONNECTING HOSE FOR OIL TANK WELDING TESTING).	NOS.	1	"
08-06-00-217	X – RAY UNIT (MOBILE) (PEAK HI VOLTAGE 200 KV , NOMINAL TUBE CURRENT 5/8 MA , BEAM ANGLE 60 .	SET	1	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: IRAQI - TURKISH PIPE LINE

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-218	SPARE PARTS FOR IT1A & IT2A ELECTRICAL SWITCH GEAR (ELECTRICAL)	NOS.	200	Electrical spare parts for ITP pipeline pumping stations
08-06-00-219	INTELLIGENT PIGGING OF THE 32" PIPE LINE WITH PIG LAUNCHER & RECEIVERS	LOT	1	Re-application for intelligent pigging contract for 32" line from K1 to ITP/K3
08-06-00-220	PLIDCO SLEEVES FOR P/L REPAIRE 32" & 40"	NOS.	8	Electrical spare parts
08-06-00-221	AIR BLOWER 100M3 & ELECTRIC HUMIDIFIER FOR K3 STATION	NOS.	4	Electrical spare parts

LOCATION: K2W & K3 PUMPING STATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-222	ELECTRICAL SPARE PARTS FOR RUSTON TURBINE AT K2W & K3 PUMPING STN.	NOS.	50	Replacements and spare parts for K2 and K3 pumping stations
08-06-00-223	REPLACEMENT OF EXISTING OBSOLETE CONTROL SYSTEM GAS TURBINE CONTROL PANEL OF SULZER TURBINE	SET	3	"
08-06-00-224	REPAIR OF HIGH & LOW PRESSURE ROTOR FOR SULZER GAS TURBINE (MECHANICAL) SERVICE CONTRACT IN SPECIALIZED WORKSHOP ABROAD.	SET	2	"
08-06-00-225	REPAIR OF CHARGING TURBINE ROTOR GEC TURBINE (MECHANICAL) (SERVICE CONTRACT IN SPECIELIZED WORKSHOP ABROAD)	SET	1	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: KIRKUK, JAMBUR, BAI HASSAN, SUFAYA & IT2 AREAS
REPLACEMENT OF DAMAGED COMMUNICATION(EQUIPMENT & EXCHANGE)

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-226	ONE DIGITAL PABX FOR CONNECTION WITH PTT (CITY) EXCHANGE WITH ALL ACCESSORIES & SPARES TO BE USED IN BABA TELECOM CENTER	SET	1	General communications equipment for control of production and export of crude oil
08-06-00-227	TWO ELECTRONIC PABX WITH ALL ACCESSORIES: ONE FOR AIN-ZALAH & ONE FOR JUMBUR SOUTH, WITH 200 EXTENSION LINES & 36 EXTERNAL LINES, WITH SPARES & ACCESSORIES.	SET	2	"
08-06-00-228	5 DIGITAL RADIO LINKS, 2.6 GHZ BAND -BAI HASSAN SOUTH - BAI HASSAN DAWOOD. -BAI HASSAN SOUTH - BAI HASSAN NORTH. -BABA - JAMBUR NORTH -BABA - JAMBUR SOUTH - ZAB - BAI HASSAN SOUTH	LINK	5	"
08-06-00-229	(2-4) CHANNEL UHF RADIO LINK & ACCESSORIES FOR DRILLING LOCATIONS.	LINK	10	"
08-06-00-230	FOUR DIGITAL RADIO LINKS 2.6 /1.5 GHZ WITH SPARES - JAMBUR SOUTH - ENJANA - ENJANA - DAROSHKA - DAROSHKA - NAFTKHANA - JAMBUR SOUTH - ANFAL	LINK	4	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: BABA & ARAPHA AREAS
MECHANICAL EQUIPMENT & SPARES

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-231	REPLACEMENT OF INDUSTRIAL AIR CONDITIONING CENTRAL PLANTS			Industrial air conditioning spare parts and replacements for plant and hospital in production area
	A- NOC. HOSPITAL AT K1	UNIT	2	
	B - BABA PLANT INDUSTRIAL AREA	UNIT	2	
	C - PROCESS PLANT CONTROL ROOM & SUB STATION	UNIT	2	
	D - ARAPHA PLANT	UNIT	1	
	E - BABA PLANT	UNIT	2	
08-06-00-232	LOW AND HIGH LIFT PUMP WITH RECOMMENED SPARE PARTS	SET	12	Pump for control of drainage
08-06-00-233	SPARE FOR DIESEL ENGINES FOR MAINTENACE OF CATTERPILLER DIESEL ENG. ., ROLLS ROYCE & DETROIT .	ITEM	20	General maintenance requirement

LOCATION: K1 AREA
ACTIVITY NO.(08):K1 TANK FARM REHABILITATION

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-08-234	K1 TANK FARM REHABILITATION(REPLACING 175 VALVE ACTUATORS & SWITCH BOARD, UP TO DATE DCS CONTROL SYSTEM, CRUDE OIL METERING , TANK GAUGING, INSTRUMENT CABLES , PRESSURE & TEMP. TRANSMITTER, PRESSURE/TEMPERATURE SWITCHES & GAUGES)	SYSTEM	1	Control equipment to increase efficiency

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: AiN ZALA FIELD

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-235	GENERATOR SET 3.3 KV 2 X 2 MW (CRUDE OIL ENGINE WITH ALL ACC . , SWITCHGEAR & MODERN CONTROL SYSTEM)	SET	2	Complete generation set

LOCATION: SADDAM FIELD
ACTIVITY NO.(09):COMPLETION / REHABILITATION FOR SADDAM OIL FIELD

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-09-236	MOTOR / PUMP SETS, DIFFERENT CAPACITIES	NOS.	40	Complete project to rehabilitate Saddam Oil Field to produce 45,000 bpd crude for export. ALL ITEMS REQUIRED SIMULTANEOUSLY FOR PROJECT COMPLETION
08-06-09-237	TANKS, CAPACITIES (50-2000) LITRES	NOS.	4	"
08-06-09-238	SAFETY VALVES	NOS.	26	"
08-06-09-239	PROGRAMMABLE CONTROL SYSTEM	NOS.	1	"
08-06-09-240	LEAD TUBES	MTR.	3500	"
08-06-09-241	FIELD INSTRUMENTS(VARIOUS)	ITEM	7000	"

LOCATION: BABA & ARAPHA AREA
GENERAL

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-242	MEDICAL EQUIPMENT FOR NOC HOSPITAL	SET	18	Medical requirements for NOC hospital including ECG, Endoscopy, Laparascopy, X-ray equipment etc.
08-06-00-243	ARCHIVING SYSTEM COMPLETE WITH A SMALL LAN, ARABIZED SOFTWARE, A0+A3 SCANNERS, A0 PLOTTER, CD R/W ,CD-ROM & ALL ACCESSORIES.	SET	2	Design office software

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MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL FIELDS
ACTIVITY NO. (10) :DRILLING , COMPLETION AND WORKOVER OPERATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-10-244	- CASING & TUBING	MTR.	120000	Complete project for completion of 25 wells including equipment for logging, perforation charges, and relevant contracts
08-06-10-245	- DRILLING BITS	NOS.	250	"
08-06-10-246	- FISHING TOOLS	ITEM	150	"
08-06-10-247	- CASING ACCESSORIES	NOS.	1500	"
08-06-10-248	- CHEMICALS FOR DRILLING & COMPLETION FLUIDS	TON	15000	"
08-06-10-249	- HYDROCHLORIC ACID & CHEMICAL ADDITIVES FOR ACID	TON	1150	"
08-06-10-250	- OIL WELL CEMENT & CHEMICAL ADDITIVES	TON	1500	"
08-06-10-251	- PUMPING TRUCK FOR CEMENTING & ACIDIZING WITH SPARES &ACCESSORIES, EACH SET CONSIST OF (100) ITEMS.	SET	4	"
08-06-10-252	- ELECTRICAL SUBMERSIBLE PUMPS WITH RECOMMENDED SPARES & ACCESSORIES	SET	50	"
08-06-10-253	- ACID STORAGE PLANT WITH ALL ACCESSORIES CONSISTING OF (100) ITEMS.	PLANT	1	"
08-06-10-254	- MUD LOGGING UNIT WITH ACCESSORIES (10 FOR EACH UNIT)	SET	2	"
08-06-10-255	- GEOLOGICAL EQUIPMENT WITH SPARE PARTS & SOFTWARE	ITEM	500	"
08-06-10-256	- MOBILE WELL TESTING UNITS & ACCESSORIES (10 ITEMS FOR EACH SET)	SET	2	"
08-06-10-257	-EQUIPMENT FOR CENTRAL LABORATORY & ACCESSORIES	NOS.	1000	"
08-06-10-258	- MEMORY PRESSURE RECORDERS & ACCESSORIES (10 FOR EACH RECORDER)	ITEM	5	"
08-06-10-259	- MAST-TRUCK WITH SPARES & ACCESSORIES (10 FOR EACH MAST TRUCK)	NOS.	4	"
08-06-10-260	DRILLING FLUID TANKER WITH TRACTOR & SPARES	NOS.	6	"
08-06-10-261	WELLHEADS AND X-MAS TREES	SET	10	"
08-06-10-262	CEMENTING HEAD WITH ACCESSORIES	ITEM	50	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL FIELDS
ACTIVITY NO. (10) :DRILLING , COMPLETION AND WORKOVER OPERATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-10-263	- PERFORATION CHARGES	NOS.	50000	"
08-06-10-264	- PRIMCORD	MTR.	1000	"
08-06-10-265	- PERFORATION ACCESSORIES	ITEM	60	"
08-06-10-266	- DATA-BASE SOFTWARE	ITEM	20	"
08-06-10-267	- OPEN-HOLE LOGGING SERVICE CONTRACT	CONTRACT	1	"
08-06-10-268	- PRODUCTION LOGGING & PERFORATION SERVICE CONTRACT	CONTRACT	1	"
08-06-10-269	- COILED TUBING SERVICE CONTRACT WITH MATERIALS	CONTRACT	1	"
08-06-10-270	- MAINTENANCE CONTRACT FOR ELECTRICAL SUBMERSIBLE PUMPS	CONTRACT	1	"
08-06-10-271	- RE-ENTRY DRILLING TO IMPROVE WELL PRODUCTIVITY (SERVICE CONTRACT)	CONTRACT	1	"
08-06-10-272	- PREPARATION OF WATER INJECTION WELLS WITH MATERIALS NEEDED (SERVICE CONTRACT)	WELLS	50	"
08-06-10-273	- SEALING MATERIALS FOR OIL WELL TREATMENT	TON	500	"
08-06-10-274	- FILTRATION MOBILE UNIT FOR WATER INJECTION WITH FILTRATION CARTRIDGES & RECOMMENDED SPARES & ACCESSORIES	SET	2	"
08-06-10-275	- WIRELINE TOOLS, CALIBRATION INSTRUMENTS, DEAD WEIGHT TESTERS	ITEM	250	"
08-06-10-276	- DRILLING SERVICES CONTRACTS / CONTRACTOR WILL BE RESPONSIBLE FOR DRILLING THE WELLS EXCEPT MATERIALS WHICH WILL BE PROVIDED BY SOC CONTRACT WILL BE ADMINISTERED BY IRAQI DRILLING COMPANY	ITEM	25	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL FIELDS

CHEMICALS & SPARE PARTS FOR MAINTAINING OPERATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-277	- CHEMICALS FOR LABORATORY ANALYSIS	ITEM	200	General analytical reagents
08-06-00-278	- SPARE PARTS FOR LABORATORY APPARATUS	ITEM	250	Crude Oil and water testing
08-06-00-279	- SPARE PARTS FOR DRILL STEM TEST EQUIPMENT	ITEM	200	Repair and maintenance
08-06-00-280	- SPARE PARTS FOR LOGGING TRUCKS & TOOLS	ITEM	250	"
08-06-00-281	- SPARE PARTS FOR SUBMERSIBLE PUMPS	ITEM	50	"
08-06-00-282	- SPARE PARTS FOR TEST SEPERATOR	ITEM	50	"
08-06-00-283	- SPARE PARTS FOR CHEMICAL FIELD LAB.	ITEM	50	"
08-06-00-284	- PRESSURE GAUGES	ITEM	500.	"
08-06-00-285	- SPARE PARTS FOR WIRELINE TRUCK	ITEM	100	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: WEST QURNA .
ACTIVITY NO. (11) :DEVELOPMENT OF DG6 / WEST QURNA OIL FIELD

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-11-286	- WELLS COMPLETION AND PERFORATION (SERVICE CONTRACT) EACH CONTRCT CONSISTS OF SERVICES & SUPPLY OF MATERIALS.	WELLS	100	Complete project to drill, perforate and complete 100 wells
08-06-11-287	- FLOW LINES AND TRANSFER PIPES (VARIOUS SIZES)	KM	500	"
08-06-11-288	- VALVES , FITTINGS AND PIPE ACCESSORIES EACH SET CONSISTS OF 50 ITEMS .	SET	40	"
08-06-11-289	- FIELD OIL WELL PRODUCTION MANIFOLDS EACH PURCHASE CONSISTS OF 25 ITEM (EACH MANIFOLD SUITABLE FOR 25 WELLS)	SET	20	"
08-06-11-290	- PRODUCTION BANK 80000 BPD COMPLETE WITH ALL COMPLEMENTARY SYSTEMS AND STATION MANIFOLDS AND FLARE STACKS EACH PURCHASE CONSISTS OF 50 ITEM	SET	15	"
08-06-11-291	- TEST BANKS WITH FLOW METERS AND TEST TANKS . EACH SET CONSISTS OF 50 ITEMS .	SET	6	"
08-06-11-292	- CRUDE OIL PUMPING AND BOOSTER UNITS EACH PURCHASE CONSISTS OF 50 ITEM .	SET	6	"
08-06-11-293	- POWER SUPPLY AND DISTRIBUTION SYSTEM EACH SET CONSISTS OF 40 ITEMS .	SET	10	"
08-06-11-294	- EMERGENCY GENERATION SET	NOS.	6	"
08-06-11-295	- UTILITIES (FIREFIGHTING , COMPRESSED AIR , INDUSTRIAL WATER,TELECOM, CIVIL WORKS ..... ETC) HANDLING EQUIPS. EACH SET CONSISTS OF 40 ITEM S.	SET	50	"
08-06-11-296	-WELDING MACHINES	NOS.	10	"
08-06-11-297	-WELDING RODS	TON	20	"
08-06-11-298	-GRINDING WHEELS	NOS.	200	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: WEST QURNA
ACTIVITY NO. (12) :DEVLOPMENT OF DG7 & DG8
PHASE (1) / WEST QURNA OIL FIELD

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-12-299	- WELL COMPLETION AND PERFORATION EACH SET CONSISTS OF (10) ITEM MATERIALS FOR 40 WELLS.	SET	40	Complete project to drill, perforate and complete 40 wells
08-06-12-300	- FIELD OIL WELL PRODUCTION MANIFOLDS EACH SET CONSISTS OF (25) ITEMS.	SET	12	"
08-06-12-301	- PIPING , FITTING AND VALVES EACH SET CONSISTS OF (100) ITEMS .	SET	10	"
08-06-12-302	- POWER SUPPLY AND DISTRIBUTION	SET	40	"
08-06-12-303	- FIRE FIGHTING SYSTEM AUXILIARIES	SET	40	"
08-06-12-304	- EMERGENCY GENERATION SET	SET	12	"
08-06-12-305	- INSTRUMENT AND CONTROL PACKAGES	SET	80	"
08-06-12-306	- CRUDE OIL PUMPING UNITS AND ACCESSORES	SET	20	"
08-06-12-307	- CATHODIC PROTECTION	SET	20	"
08-06-12-308	- UTILITIES AND HANDLING EQUIPMENT	SET	80	"
08-06-12-309	-WELDING MACHINES	NOS.	10	"
08-06-12-310	-WELDING RODS	TON	20	"
08-06-12-311	-GRINDING WHEELS	NOS.	200	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: NORTH RUMAILA FIELD .
ACTIVITY NO. (13) : DEVELOPMENT OF NORTH RUMAILA OIL FIELD .

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-13-312	- PRODUCTION WELLS COMPLETION AND PERFORATION SERVICE CONTRACT EACH SET CONSISTS OF (10) ITEMS FOR 80 WELLS	WELL	80	Complete project to drill, perforate and complete 80 wells
08-06-13-313	- INJECTION WELLS COMPLETION AND PERFORATION EACH SET CONSISTS OF (10) ITEM MATERIALS (60) WELLS	SET	60	"
08-06-13-314	- FLOW LINES	KM	300	"
08-06-13-315	- VALVES , FITTING AND PIPELINE ACCESSORIES EACH SET CONSISTS OF (100) ITEMS .	SET	20	"
08-06-13-316	- FIELD AND STATION MANIFOLDS (EACH MANIFOLD SUITABLE FOR 25 WELLS)	SET	30	"
08-06-13-317	- WATER INJECTION PUMPIG UNITS EACH SET CONSISTS OF (50) ITEMS .	SET	10	"
08-06-13-318	- WATER INJECTION INTAKE , TREATMENT AND PUMPING PLANT AT NORTH RUMAILA CAPACITY OF $35X10^6$ CU METER PER YEAR THE PLANT CONSISTS OF (100) ITEMS.	PLANT	1	"
08-06-13-319	-WELDING MACHINES	NOS.	10	"
08-06-13-320	-WELDING RODS	TON	20	"
08-06-13-321	-GRINDING WHEELS	NOS.	200	"

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MINISTRY OF OIL

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: FAO TANK FARM

ACTIVITY NO. (14) :REHABILITATION OF FAO TANK FARM .

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-14-322	- ALL MATERIALS, EQUIPMENT & ACCESSORIES REQUIRED TO CONSTRUCT 8 FLOATING ROOF TANKS, 58000 CU METER EACH AND SUPPORTING SYSTEM INCLUDING:- - PRESSURE REDUCTION STATION - SURGE SYSTEM -INTERNAL PIPING WITH VALVES, FITTINGS ACCESSORIES AND CONSUMABLES - MAIN CRUDE OIL TRANSFER PUMPS AND BOOSTER PUMPS WITH ACCESSORIES . - POWER SUPPLY AND ELECTRIC DISTRIB SYSTEM . - EMERGENCY GENERATING SETS 8MW , WITH SUPPLEMENTARY SYSTEM . - FIRE FIGHTING AND INDUSTRIAL WATER SYST. - STATION CONTROL - UTILITIES , TELECOM , CATHODIC PROTECT .... ETC .	PROJECT	1	Complete project to erect 8 floating roof storage tanks, with all ancillary equipment

LOCATION: SOUTH AND NORTH RUMAILA
AND ZUBAIR FIELD & GARMAT ALI

ACTIVITY NO. (15) :UPGRADEING OF INDUSTRIAL WATER SYSTEM

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	- INDUSTRIAL WATER FACILITIES FOR THE UPGRADING OF EXISTING SYSTEM TO MEET DEMAND FOR DESALTING & DEHYDRATION , FIRE FIGHTING AND DOMESTIC PURPOSES			Complete contract to upgrade the industrial water system for N & S Rumailah, Zubair & Garmat Ali field areas
08-06-15-323	- FIRST LIFT & MAIN PUMPS AT GARMAT-ALI	SET	4	"
08-06-15-324	- ACCESSORIES FOR PUMPS	SET	20	"
08-06-15-325	- PIPE LINES FOR DISTRIBUTION SYSTEM	KM	50	"
08-06-15-326	- 12 STORAGE TANKS AND SYSTEMS	SET	12	"
08-06-15-327	- PUMP SET FOR DISTRIBUTION WITH MOTOR CONTROL CENTRES AND ACCESSORIES	SET	40	"

MINISTRY OF OIL

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: SOUTH AND NORTH RUMAILA AND ZUBAIR FIELD.

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-328	- MATERIALS AND CONSUMABLES FOR RUMAILA - HADITHA PIPE LINE REFURBISHMENT	SET	100	Line refurbishment to stabilize the system
08-06-00-329	- EXCESS OIL AND CONDENSATE GATHERING SYSTEMS IN SOUTH RUMAILA FIELD DEGASSING STATIONS	SET	20	Water injection parts and replacements
08-06-00-330	- BAD OIL TANKS AND PUMPING FACILITIES FOR NORTH RUMAILA FIELD	SET	18	"
08-06-00-331	- NEW TEST BANKS WITH FLOW METERS AND TEST TANKS IN SOUTH AND NORTH RUMAILA FIELD	SET	20	"
08-06-00-332	- EFFLUENT WATER TREATMENT FOR REINJECTION PURPOSES, MEASURMENT AND TEST EQUIPMENTS AND REQUIREMENTS	SET	20	"
08-06-00-333	- DEHYDRATION AND DESALTING COMPLENTRY SYSTEM (MECH. , CONTROL , ELECT. AND PIPING)	SET	40	"
08-06-00-334	-FIRE FIGHTING VEHICLES WITH RECOMMENDED SPARES	NOS.	2	Safety item
08-06-00-335	-SAFETY EQUIPMENT & SPARES	NOS.	2000	"
08-06-00-336	- PERSONNEL'S SAFETY ACCESSORIES.	SET	3000	"
08-06-00-337	-INSTRUMENTS FOR ENVIROMENTAL PROTECTION	NOS.	100	"
08-06-00-338	- LABORATORY DEVICES, ACC. & SPARES	SET	500	Environmental testing

LOCATION: ALL SITES

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-339	- GENERAL EQUIPMENT FOR THE IMPLEMENTATION OF PROJECT AND STATIONS UPKEEP.	ITEM	50	General equipment for operational activities
08-06-00-340	- SERVICE EQUIPMENT , GENERATORS , COMPRESSORS PUMPS ... ETC.	NOS.	60	"
08-06-00-341	- WORKSHOP EQUIPMENT	SET	10	"
08-06-00-342	- CONSTRUCTION EQUIPMENT, SIDEBOOMS , DITCHERS , PIPELINE COATING AND WELDING MACHINE.	ITEM	50	"
08-06-00-343	- SURVEY EQUIPMENT , MICROFILM EQUIPMENT, DATA AQUISITION , RETRIEVAL AND ENGINEERING INSPECTION EQUIPMENT.	ITEM	30	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: MESSAN FIELDS
DEGASSING STATIONS, OIL STORAGE DEPOTS , TANK FARMS & PUMPING STATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-344	- ONE COMPLETE TURBO PUMP WITH RECOMMENDED SPARES	NOS.	1	Replacement of obsolete pump
08-06-00-345	- SPARES FOR PUMPS	ITEM	200	Spare parts for above
08-06-00-346	- OIL HEATERS WITH SPARE PIPES & ACCESSORIES	SET	20	Oil Heaters and spares
08-06-00-347	- ELECTRICAL , MECHANICAL & INSTRUMENTATIONS SPARE PARTS	ITEM	300	General spares for sites
08-06-00-348	- PERSONNEL SAFETY EQUIPMENT	ITEM	100	Safety equipment
08-06-00-349	- OIL GAS SEPERATOR SYSTEM WITH TANKS , PUMPS , ELECTRICAL .	ITEM	1000	Separator system
08-06-00-350	- ROAD BORING MACHINE WITH RECOMMENDED SPARES	NOS.	50	Road repairing units

LOCATION: DEEP SEA TERMINALS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENTS
08-06-00-351	- ELECTRICAL INSTALLATIONS : MCC, SWITCH GEAR , ACCESSORIES	ITEM	220	Repairing and upgrading of loading installations
08-06-00-352	- MECHANICAL EQUIPMENTS : PUMPS(40) , VALVES , GENERATORS(4 SETS) , ACC .TELESCOPIC GANGWAY COMPLETE WITH ALL ACCESSORIES .	ITEM	140	"
08-06-00-353	-EQUIPMENT FOR REPAIR & COMPLETION OF EMCOWHEATON LOADING ARMS .	ITEM	70	"
08-06-00-354	- CONTROL INSTRUMENTS	ITEM	60	"
08-06-00-355	- MISC. FITTINGS AND ACCESSORIES & FENDERS	ITEM	100	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL SITES
SPECIALIZED TRUCKS, EQUIP., TOOLS & WORKSHOPE EQUIP.

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-356	- WATER TANKER CAP. 22 m^3 TRACTION HEAD AND TANK TRAILER & SPARES	NOS.	8	General application for vehicles, spares and replacements for field use
08-06-00-357	- WATER TANKER CAP. 15 m^3 & SPARES	NOS.	7	"
08-06-00-358	- FUEL TANKER CAP. 22 m^3 TRACTION HEAD AND TANK TRAILER & SPARES	NOS.	4	"
08-06-00-359	- FUEL TANKER CAP. 15 m^3 & SPARES	NOS.	3	"
08-06-00-360	- TRUCK TRACTOR WITH LOW - LOADER PAY LOAD 100 TON & SPARES.	NOS.	2	"
08-06-00-361	- TRACTION HEADS WITH PIPES CARRIER & SPARES .	NOS.	6	"
08-06-00-362	- LUB. OIL TANKER CAP 22 m^3 TRACTION HEAD AND TANK TRAILER & SPARES	NOS.	2	"
08-06-00-363	- H_2SO_4 TANKER CAPC. 15 m^3 & SPARES.	NOS.	1	"
08-06-00-364	- MAINTENANCE MOBILE WORKSHOPE FOR VEHICLE & SPARES.	NOS.	2	"
08-06-00-365	- MOBILE WORKSHOPE FOR REPAIRING & SPARES.	NOS.	4	"
08-06-00-366	- TRUCK TRACTOR WITH SMI - TRAILER & SPARES.	NOS.	10	"
08-06-00-367	- CRANE HWD CAP. 30 TON & SPARES.	NOS.	2	"
08-06-00-368	- RECOVERY TRUCK FOR HEAVY VEHICLE & SPARES.	NOS.	4	"
08-06-00-369	- LORRY PAY LOAD 2.5 TON & SPARES.	NOS.	10	"
08-06-00-370	- MOBILE COLD STORE & SPARES.	NOS.	2	"
08-06-00-371	- REFUSE COLLECTER & SPARES.	NOS.	2	"
08-06-00-372	- WHEEL LOADER EXCAVATOR & SPARES.	NOS.	3	"
08-06-00-373	- PICK UP DOUBLE CABIN & SPARES.	NOS.	55	"
08-06-00-374	- STATION WAGON & SPARES.	NOS.	55	"
08-06-00-375	CONCRETE TRUCK MIXER, 5M^3 WITH SPARES	NOS.	2	"
08-06-00-376	- BUS 45 SEATERS & SPARES.	NOS.	45	"
08-06-00-377	- RECOVERY TRUCK FOR LIGHT VEHICLE & SPARES.	NOS.	2	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL SITES
SPECIALIZED TRUCKS, EQUIP., TOOLS & WORKSHOPE EQUIP.

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-378	- SPARE PARTS FOR HEAVY EQUIPMENTS & VEHICLE PURCHASED IN MOU-4 AND MOU-5 STAGE .	NOS.	500	"
08-06-00-379	- SPARE PARTS FOR LIGHT EQUIPMENTS & VEHICLE PURCHASED IN MOU-4 AND MOU-5 STAGE .	NOS.	500	"
08-06-00-380	- REQUIREMENTS FOR LUB OIL SUPPLY AT N. RUMAILA	ITEM	150	"
08-06-00-381	- FUEL STATIONS IN SOUTH RUMAILAH COMPLETE WITH GALVANIZED CORREGATED SHEETS FOR STATION SHADES	SET	5	"
08-06-00-382	- BULLDOZER & SPARES.	NOS.	2	"
08-06-00-383	- GRADER & SPARES.	NOS.	2	"
08-06-00-384	- SEPRAY WATER TANKER CAPC. 15 m3 & SPARES.	NOS.	2	"
08-06-00-385	- CRANE CAP. 30 TON & SPARES.	NOS.	3	"
08-06-00-386	- LORRY WITH LIFT CRANE FROM 8 - 12 TON & SPARES.	NOS.	4	"
08-06-00-387	- MOBILE ELECTRICAL LIFTER & SPARES.	NOS.	1	"
08-06-00-388	- BUS 24 SEATERS & SPARES.	NOS.	5	"
08-06-00-389	- AMBULANCE & SPARES.	NOS.	1	"
08-06-00-390	- LORRY PAY LOAD 10 - 15 TON & SPARES.	NOS.	2	"
08-06-00-391	- FORK LIFT 3- 10 TON & SPARES.	NOS.	9	"
08-06-00-392	- DUMPER : HP= 7- 12 POCKET CAPACITY (0. 75- 1) TON	NOS.	4	"
08-06-00-393	- CONCRETE MIXER H.P .= 7-12 POCKET CAPACITY = 400 KG ENGIN (1-2) CYLENDER	NOS.	4	"
08-06-00-394	- CONCRETE MIXER H.P .= 10 POCKET CAPACITY = 400 KG	NOS.	2	"
08-06-00-395	- TRACTOR : H.P.= 30-45 ENGINE 4 CYLENDER	NOS.	4	"
08-06-00-396	-AIR COMPRESSOR : TYPE : AIRMAN PDR 250	NOS.	4	"
08-06-00-397	- SMALL SHOVEL WITH POCLAIN H. P.= 15	NOS.	3	"
08-06-00-398	- JACK HAMMER DIAMETER 1 1/4 INCH	NOS.	4	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL FIELDS

OPERATION - MAINTENANCE MATERIALS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-399	VALVES WITH SPARE PARTS FOR WELL CONNECTION	NOS.	1000	General maintenance equipment for connection of well sites
08-06-00-400	PIPE FITTINGS, ACCESSORIES.	NOS.	200000	"
08-06-00-401	PIPE LINES MAINTENANCE EQUIPMENT	NOS.	5000	"
08-06-00-402	PIPE & VALVE TESTING EQUIPMENT	NOS.	150	"
08-06-00-403	AIR COMPRESSOR	NOS.	6	"
08-06-00-404	PIPE CUTTING EQUIPMENT WITH CONSUMABLES	NOS.	500	"
08-06-00-405	WELL POTENTIAL TESTING SKID	SET	6	"
08-06-00-406	RECYCLE PUMPS FOR OIL TREATMENT UNITS WITH SPARE PARTS	NOS.	40	"
08-06-00-407	SAND REMOVAL SEPERATORS	NOS.	4	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL FIELDS
OPERATION- MAINTENANCE MATERIALS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-408	DEMULSIFIER	DRUM	7000	Spares, equipment and solvents for field usage
08-06-00-409	SODIUM DICHROMATE	TON	300	"
08-06-00-410	LAB CHEMICALS	LIT	7000	"
08-06-00-411	LAB APPARATUS	ITEM	200	"
08-06-00-412	COULTER COUNTER	NOS.	30	"
08-06-00-413	FIRE FIGHTING EQUIPMENT	NOS.	150	"
08-06-00-414	CO2 GENERATORS & FILLING EQUIPMENT EACH SET 20 ITEMS	SET	4	"
08-06-00-415	NITROGEN GENERATION PACKAGE WITH SPARE PARTS	ITEM	100	"
08-06-00-416	FIRE FIGHTING TANKER & TRUCK	NOS.	14	"
08-06-00-417	FIRE BRIDGE SERVICE GROUP MOBILE	NOS.	3	"
08-06-00-418	SPARE PARTS FOR GAS TURBINE	NOS.	4000	"
08-06-00-419	DRAINAGE PUMPS	NOS.	6	"
08-06-00-420	SPARE PARTS FOR VALVES AND ACTUATORS	NOS.	1000	"
08-06-00-421	MATERIALS FOR MAJOR OVER HAUL OF ONE SOLAR TURBO GENERATOR SET.	ITEM	250	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: BASRAH / NORTH AND SOUTH RUMAILA
DEGASSING AND COMPRESSION STATIONS

ELECTRICAL MATERIALS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-422	ELECTRICAL TRANSMISSION LINE (50KM) AND ACC.	ITEM	100000	Electrical materials and equipment for repair and maintenance of degassing and compressor stations in SOC region
08-06-00-423	BATTERY CHARGER AND SPARES FOR ALL AREAS .	ITEM	130	"
08-06-00-424	REPLACEMENT OF OLD BATTERIES FOR ALL AREAS	NOS.	5000	"
08-06-00-425	CONTACTOR , CIRCUIT BREAKER , OVER LOAD AND ACC.	ITEM	150	"
08-06-00-426	POWER TRANSFORMER, DESALTER / DEHYDRATOR TRANSFORMER AND REPLACEMENT OF REACTORES, FOR DEGASSING STATIONS .	NOS.	15	"
08-06-00-427	ELECTRICAL LAMP, LAMP FITTING WITH SPARES AND ACCESSFOR ALL AREAS .	NOS.	20000	"
08-06-00-428	CABLE LOW, HIGH VOLTAGE ACSR BARE WIRE FOR ALL AREAS.	KM	150	"
08-06-00-429	CABLE JOINT AND ACCESSORIES FOR ALL AREAS	NOS.	2000	"
08-06-00-430	COMPLETE MEDIUM VOLTAGE SWITCHGEAR UNIT, SPARES AND ACCESSORIES	ITEM	50	"
08-06-00-431	ELECTRIC MOTOR AND SPARE PARTS FOR ALL AREAS .	ITEM	140	"
08-06-00-432	LOW VOLTAGE SWITCHGEAR , SPARE PARTS AND ACC.	ITEM	100	"
08-06-00-433	ELECTRICAL VALVE ACTUATOR AND SPARE PARTS .	ITEM	125	"
08-06-00-434	SPARE PARTS FOR MAIN MEDIUM VOLTAGE MOTOR	ITEM	125	"
08-06-00-435	SPARE PARTS FOR NUOVO PIGNONE GAS TURBINE TYPE 95SP-1	ITEM	125	"
08-06-00-436	SPARE PARTS FOR DIESEL ENGINE AT ALL AREAS	ITEM	135	"
08-06-00-437	10 DIESEL GENERATORS AND SPARE PARTS	ITEM	25	"
08-06-00-438	SPARES FOR DIESEL ENGINE FIREFIGHTING	ITEM	140	"
08-06-00-439	MATERIALS FOR CATHODIC PROTECTION FOR ALL AREAS	ITEM	1000	"
08-06-00-440	SPARE PARTS FOR U.P.S. AND BATTERY CHARGER	ITEM	250	"
08-06-00-441	WORK SHOP EQUIPMENT FOR ALL AREAS .	ITEM	130	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: AL - BAKER TERMINAL / BASRAH
A.ELECTRICAL MATERIALS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-442	MARINE LANTERN NAVIGATION AND SPARE PARTS	ITEM	135	Equipment and spare parts for Mina al-Bakr terminal
08-06-00-443	SPARE PARTS FOR LOADING ARM	ITEM	150	"
08-06-00-444	SPARE PARTS FOR DIESEL ENGINE	ITEM	125	"
08-06-00-445	MOTOR CONTROL CENTRE SWITCH GEAR , SPARE PARTS , ACCESSORIES & ROTORK VALVES	ITEM	150	"

LOCATION: AL - BAKER TERMINAL / BASRAH
B.INSTRUMENT & CONTROL MATERIALS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-446	METERING SYSTEM EQUIPMENT & SPARES	ITEM	50	Metering system and spares
08-06-00-447	CONTROL EQUIPMENT & SPARES	ITEM	50	Control equipment
08-06-00-448	INLINE SAMPLING APPARATUS SETS	SET	4	Equipment for drawing flow proportional loading samples

LOCATION: ZUBAIR / BASRAH
MAINTENANCE OF PRODUCTION STATIONS (DEGASSING)

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-449	CONTROL INSTRUMENTS & SPARES	ITEM	200	Control instruments for degassing stations at Zubair
08-06-00-450	FIELD INSTRUMENTS & SPARES	ITEM	350	"
08-06-00-451	CLUSTER STATIONS & SPARES	ITEM	20	"
08-06-00-452	CONTROL & MONITORING INSTRUMENTS FOR CLUSTER MANIFOLDS	SET	30	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: NORTH & SOUTH RUMAILA
MAINTENANCE & REFURBISHMENT
OF DEGASSING / DESALTING

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-453	CONTROL INSTRUMENT & SPARES	ITEM	100	Control & instrumentation requirements
08-06-00-454	FIELD INSTRUMENT & SPARES	ITEM	500	"

LOCATION: SOUTH RUMAILA
GAS COMPRESSION STATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-455	CONTROL INSTRUMENTS & SPARES	ITEM	300	Control and instrumentation requirements
08-06-00-456	TURBINE CONTROL SYSTEM & ASSOCIATED INSTRUMENTS	ITEM	250	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: NORTH & SOUTH RUMAILA, GARMA
WATER INJECTION SYSTEM

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-457	CLUSTER STATIONS CONTROL SYSTEM & ASSOCIATED INSTRUMENTS	ITEM	100	Control instrumentation for water injection system
08-06-00-458	FLOWMETERS & ASSOCIATED INSTRUMENTS & MONITORS	ITEM	20	"
08-06-00-459	CONTROL INSTRUMENTS & SPARES	ITEM	50	"

LOCATION: ZUBAIR , NORTH & SOUTH RUMAILA
MAINTENANCE OF PRODUCTION STATIONS (DEGASSING)

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-460	PUMPS AND SPARE PARTS FOR PUMP - AIR BLOWER . MODEL : AA D – 5	ITEM	30	Spare parts & replacement equipmentfor degassing station N & S Rumailah
08-06-00-461	MECHANICAL SPARE PARTS FOR BROOM &WADE AIR COMPRESSORS TYPE : V200DA	ITEM	101	"
08-06-00-462	PUMPS AND SPARE PARTS FOR CRUDE OIL PUMP TYPE : ROTARY GEAR PUMP (MAAG)	ITEM	18	"
08-06-00-463	SPARE PARTS FOR VERTICAL BOOSTER PUMP TH INDUSTRIE AG MASCHINENBAU TYPE: VLT 200/12/328 X	ITEM	35	"
08-06-00-464	AIR COMPRESSOR AND SPARE PARTS FOR (POPPE) HIGH PRESSURE AIR COMPRESSORS AIR COOLED TYPE : WP8L - 301	ITEM	41	"
08-06-00-465	SPARE PARTS FOR CRUDE OIL BOOSTER PUMPS TYPE : VERTICAL , MULTI - STAGE , BARREL TYPE , NO. OF STAGE : 2 MODEL : TSM - VB2	ITEM	21	"
08-06-00-466	SPARE PARTS FOR FIRE FIGHTING PUMP (WORTHINGTON) TYPE: 6LN – 18	ITEM	15	"
08-06-00-467	SPARE PARTS FOR FIRE FIGHTING DIESEL ENGINE (MWM) TYPE : D232 V12	ITEM	129	"
08-06-00-468	AIR STARTING MOTOR AND SPARE PARTS FOR AIR - STARTING MOTOR MODEL:SS 350 GE 03 R 85-02H FOR FIRE FIGHTING DIESEL ENGINE	ITEM	2	"
08-06-00-469	SPARE PARTS FOR CRUDE OIL PUMP,MATHER&PLATT "TYPE : 3"" / 4"" - 10 STAGES - B - F H ."	ITEM	17	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ZUBAIR , NORTH & SOUTH RUMAILA
MAINTENANCE OF PRODUCTION
STATIONS (DEGASSING)

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-470	SPARE PARTS FOR BOOSTER PUMP MATHER & PLATT "TYPE : 8"" - 14"" - 4 STAGE- A.T.C.B CAISSON"	ITEM	17	"
08-06-00-471	SPARE PARTS FOR MAIN PUMPS, TYPE:N4 X 11 MSNDH 6 STAGE	ITEM	45	"
08-06-00-472	SPARE PARTS FOR DRAINAGE PUMP TYPE : ZV 50 - 20 / 2 - 5.5 ET 3000 ZV 50 - 20 / 2 - 7.5	ITEM	14	"
08-06-00-473	SPARE PARTS FOR MAIN HORIZONTAL CRUDE OIL PUMP TYPE : ZMI 325 / 01.	ITEM	27	"
08-06-00-474	SPARE PARTS FOR ROLLS ROYCE DIESEL ENGINE DRIVE ELECTRIC GENERATOR TYPE : SF 65 CT	ITEM	61	"
08-06-00-475	SKID MOUNTED HEAVY DUTY OIL FREE AIR-COOLED AIR COMPRESSOR .	ITEM	1	"
08-06-00-476	COMPLETE AIR SCREEN FILTER FOR RUSTON GAS TURBINE MULTI DUTY MODEL B	ITEM	2	"
08-06-00-477	COMPLETE ASSY WATER PUMP WITH ELECTRIC MOTOR SKID MOUNTED SERVICE : PUMPING FRESH WATER FOR DESALTING UNITS .	ITEM	2	"
08-06-00-478	SPARE PARTS FORE JOCKY PUMP THYSSEN MASCHINENBAY RUHRPUMPEN TYPE : 1 1/2 X 10 SVE	ITEM	15	"
08-06-00-479	SPARE PARTS OF CATERPILLAR DIESEL ENGINE "TYPE : 3412 D1 ; HP : 456 ; R.P.M 1800 - 1500".	ITEM	48	"
08-06-00-480	WASH WATER PUMPS RECYCLE PUMPS , RECOVERED OIL VERTICAL PUMPS & SPARE PARTS	ITEM	93	"
08-06-00-481	SPARES FOR CENTRIFUGAL PUMP , FIREWATER PUMP THYSSEN MASCHINENBAU GMBH. TYPE :- ZMII 530 / 02	ITEM	19	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL DEPOT.
OIL STORAGE DEPOTS, TANKS FARM & PUMP STATIONS
A. INSTRUMENT & CONTROL

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-482	CONTROL INSTRUMENTS & SPARES AT PS1 DEPOT	ITEM	50	Control instrumentation for depots and pumping stations
08-06-00-483	FIELD INSTRUMENTS AT PS1 DEPOT	ITEM	50	"
08-06-00-484	CONTROL INSTRUMENTS & SPARES AT ZR1 DEPOT	ITEM	50	"
08-06-00-485	FIELD INSTRUMENTS AT ZR1 DEPOT	ITEM	50	"
08-06-00-486	FIELDS INSTRUMENTS AT ZR2 DEPOT	ITEM	30	"

B.MECHANICAL

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-487	SPARES FOR CENTRIFUGAL PUMP , FIREWATER PUMP THYSSEN MASCHINENBAU GMBH. TYPE :- ZMII 630 / 05.	ITEM	14	Mechanical spare parts for tanks farms, depots and pumping stations
08-06-00-488	SPARE PARTS FOR DIESEL ENGINE MWM TYPE : TBD 604 - V8 , ENGINE NO. : 604.08 - 10042 , 3	ITEM	51	"
08-06-00-489	SPARE PARTS FOR DIESEL ENGINE CUMMINS TYPE : KT 2300G , SERIAL NO. 4158/02	ITEM	47	"
08-06-00-490	SPARE PARTS FOR GAS TURBINE INGERSOLL-RAND MODEL GT - 53 .	ITEM	4	"
08-06-00-491	SPARE PARTS FOR AIR COMPRESSOR (TECNIC GALI) TYPE :- VA30	ITEM	44	"
08-06-00-492	SPARE PARTS FOR OVERHEAD CRANE	ITEM	6	"
08-06-00-493	SPARE PARTS FOR VERTICAL CENTRIFUGAL PUMP (SLOP PUMP) TYPE : PWZV O5 32 - 200	ITEM	13	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: NORTH & SOUTH RUMAILA
GAS COMPRESSION STATION

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-494	SPARE PARTS FOR AIR COMPRESSORS BVTN/1 CPACITY-200-300 NM3/H DISCHARGE PRESSURE - 9 ATM	ITEM	73	Replacements and spare parts for gas compressor station
08-06-00-495	SPARE PARTS FOR 4TH STAGE SEPARATOR DRAIN PUMPS TYPE : RBS 32/20 MY11AND VERTICAL PUMPS TYPE : NOWA 32/20 VR AND PUMPS TYPE : M40 X 3TM - TOPF	ITEM	83	"
08-06-00-496	AIR COOLED HEAT EXCHANGER COMPLETE WITH FAN & MOTOR TYPE :-INDUCED DRAFT	ITEM	1	"
08-06-00-497	SPARE PARTS FOR GAS TURBINE TYPE : MS - 1002 B	ITEM	5	"
08-06-00-498	COMPLETE FANS FOR GAS COOLERS AND AIR COOLED HEAT EXCHANGER	ITEM	5	"
08-06-00-499	SPARE PARTS FOR FIREWATER PUMP TYPE :- 8 X 5DF - 4SG.	ITEM	9	"
08-06-00-500	SPARE PARTS FOR PACIFIC HIRO PUMP FIRE PUMP. (JOCKEY PUMP) TYPE :- 1 1/2 X 10 SVE - P	ITEM	10	"
08-06-00-501	COMPLET MITSUBISHI DIESEL ENGINE DRIVE FIRE PUMP.	ITEM	1	"
08-06-00-502	SPARE PARTS FOR 1ST . STAGE GAS COOLERS	ITEM	13	"
08-06-00-503	SPARE PARTS FOR DIESEL ENGINE DRIVE FIRE WATER PUMP TYPE : DH24PA	ITEM	112	"
08-06-00-504	SPARE PARTS FOR GLYCOL PUMPS PUMP SIZE & TYPE : 1 - 5/8 X 2 - 1/4 TX-10	ITEM	78	"
08-06-00-505	SPARE PARTS FOR EMERGENCY DIESEL GENERATOR ENGINE TYPE ID 36SS6V	ITEM	100	"
08-06-00-506	SPARE PARTS FOR GLYCOL FILTERS SERIES - 55 SER. NO. : 23580-23581-21582-23583	ITEM	3	"
08-06-00-507	SERVICE CONTRACT FOR MAJOR OVERHAUL OF SOLAR CENTAURE GAS TURBINE SINGLE SHAFT - (FAILD ENGINE) MODEL : T - 4001	CONT.	1	Contract for overhaul of failed gas turbine unit

MINISTRY OF OIL

LOCATION: ALL AREAS

UTILITY MATERIALS & EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-508	VERTICAL MULTI - STAGE PUMPS, Q:560 M3/H H:30 M FOR MUFTIA AREA .	NOS.	12	General utility spare parts & replacements for SOC area
08-06-00-509	AIR HANDLING UNIT, DIFFERENT CAPACITY FROM 30-40 WITH DUCT HEATER FOR BAB-AL ZUBAIR AREA & NEHR EBIN AUMER .	NOS.	30	"
08-06-00-510	CHILLER AIR COOLED 120 TON & SPLIT A/C UNIT DIFFERENT CAPACITY (FOR NEHR EBIN AUMER & NORTH RUMAILA)	NOS.	10	"
08-06-00-511	CONTACTOR DIFFERENT TYPE (CAPACITY)(COIL) & CIRCUIT BREAKR	ITEM	50	"
08-06-00-512	SPARE PARTS FOR A/C (AIR CONDITION UNIT) DIFFERENT CAPACITY .	ITEM	30	"
08-06-00-513	SPARE PARTS FOR SOLAR GENERATOR .	ITEM	30	"
08-06-00-514	SPECIAL TOOLS & EQUIPMENT FOR A/C WORK SHOP & PLANT.	ITEM	10	"
08-06-00-515	COMPLETE WATER PUMP WITH ELECTRIC MOTOR FOR GARMA AREA	SET	6	"
08-06-00-516	ELECTRIC TEST EQUIPMENT .	ITEM	5	"
08-06-00-517	AIR CONDITIONING UNIT DIFFRENT CAPACITY FOR WEST QURNA	NOS.	30	"
08-06-00-518	ELECTRIC MOTOR 110 KW , 3PH , 380 V , 50 HZ FOR WEST QURNA	NOS.	1	"
08-06-00-519	SPARE FOR A/C UNIT COMPRESSORS FOR DIFFERENT TONAGE FOR ALL DEGASSING STATIONS .	ITEM	80	"
08-06-00-520	SPARE PART FOR PASSENGER LIFT 380 VAC , 50 HZ.	ITEM	100	"
08-06-00-521	GENERETING SET WITH SPERES & ACCESSORIES	SET	2	"
08-06-00-522	EQUIPMENTS & TOOLS FOR MAINTENANCE WORKSHOPS	ITEM	25	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL AREAS
TELECONTROL SYSTEM

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-523	OPTICAL FIBER SYSTEM BETWEEN PS1 - ZUBAIR - FAO FOR TELECONTROL SYSTEM FOR PUMPING OIL TO AL- BAKER TERMINAL	ITEM	70	Telecommunications equipment and spares for control systems throughout SOC area
08-06-00-524	OPTICAL FIBER SYSTEM BETWEEN PS1 FIELD & WEST QURNA FIELD (PS1 - CGS7 - CGS8 - INDUSTRIAL AREA)	ITEM	27	"
08-06-00-525	WIRELESS MULTI - ACCESS SYSTEM FOR TELECONTROL BETWEEN ALLSITES IN WEST QURNA FIELD.	ITEM	8	"
08-06-00-526	WIRELESS MULTI - ACCESS SYSTEM / ZUBAIR FIELD.	ITEM	8	"
08-06-00-527	MICROWAVE RADIO SYSTEM 60 CHANNELS FOR TELECONTROL SYSTEM BETWEEN PUMPING STATIONS (PS2 - PS3 - PS4 - K3) TO REPLACE DAMGE UHF LINK.	ITEM	9	"
08-06-00-528	MICROWAVE RADIO SYSTEM (1+1) PCM CAPACITY 300 CHANNELS 34 MB / S OPERATES AT 13 GHZ BAND TO LINK MAKINA CENTER TO BAB AL- ZUBAIR HEAD OFFICES (BASRAH CITY).	ITEM	9	"
08-06-00-529	PUPLIC ADDRESS SYSTEM ON AN OPEN PLATFORM. AL-BAKER TERMINAL QTY 2	ITEM	6	"
08-06-00-530	HE - 70 WAVE-GUIDE FEEDER TO REPLACE THE DAMGE FEEDER AT NORTH RUMILA " WEST QURNA , NAHR - UMR , ZUBAIR , BAB - " AL ZUBAIR .	MTR.	750	"
08-06-00-531	STANDARD FACSIMILE (FAX) SET WITH SPAER PARTS . QTY . 10 SET.	SET	10	"
08-06-00-532	MODERN (VHF / UHF) WALKIE-TALKIE SET . QTY . 10 PAIRS.	PAIR	10	"
08-06-00-533	HF LINKS FOR REMOTE SITES QTY . 4 LINKS.	ITEM	24	"
08-06-00-534	REMOTE SUBSCRIBER SWITCHING UNIT (R - S - S - U) AT WEST QURNA TO SERVE " ALL DEGASING GAS , COMPRESSION , WATER TREAT. AND PUMPING STS. "	ITEM	5	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL AREAS

TELECONTROL SYSTEM

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-535	POINT TO POINT DIGITAL UHF SYSTEM TO LINK PUMPING STATION NO. 3 TO NAJAF CITY (PSTN)	ITEM	6	"
08-06-00-536	UHF LINK 2M (30 CH) FOR AL - BAKER EMERGENCY TO REPLACE THE EXISTING OBSOLETE SYSTEM AT (BAB - ALZUBAIR - KHUR ALZUBAIR - FAO - ALBAKER TERMINAL)	ITEM	6	"
08-06-00-537	POINT TO POINT LINKS TO SERVE FARAWAY AND MOVABLE SITES. 1- UHF SYSTEM (4 CHANNELS) QTY . 3 LINKS . 2- VHF SYSTEM (3 CHANNELS) . QTY . 3 LINKS .	 LINK LINK	 3 3	" " "
08-06-00-538	ACID BATTERY FOR NORTH RUMILA TELE- CONTROL SYSTEM (PS1 STATION) TO REPLACE DAMAGE BATTERY QTY . 50 BATTERIES .	ITEM	1	"
08-06-00-539	ACID BATTERY FOR WEST QURNA TELE- CONTROL SYSTEM (WEST QURNA STATION) TO REPLACE DAMAGE BATTERY . QTY . 50 BATTERIES .	ITEM	1	"
08-06-00-540	CHARGE CONTROL REGULATOR FOR POWER FEEDING TO TELECONTROL SYSTEM IN PS1 & WEST QURNA FIELD . QTY . 3 .	ITEM	1	"
08-06-00-541	MOBILE DIESEL ENGINE DRIVEN ELECTRIC GENERATORS USE FOR TELECONTROL SYSTEM IN WEST QURNA FIELD . QTY . 2 .	ITEM	1	"
08-06-00-542	OPTICAL FIBER EQUIPMENT TO REPLACE OBSOLETE COMMUNICATION EQPT. BETWEEN PUMPING STATION - 3 AND K3 OF THE RUMAILA - HADITHA PIPELINE	ITEM	9	"
08-06-00-543	MOBILE DIESEL ENGINE DRIVEN ELECTRIC GENERATORS USE FOR TELECONTROL REPETAR STATION . QTY . 8 .	ITEM	1	"

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MINISTRY OF OIL
ESTABLIESHMENT NAME: IRAQ DRILLING CO.
LOCATION: BASRAH AND KIRKUK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-544	SPARES FOR OIL WELL RIGS	NOS.	20000	Refurbishment and repair of 12 rigs for drilling and well workover in both North and South areas.
08-06-00-545	SPARES FOR C131 RIG	NOS.	6000	"
08-06-00-546	SPARES FOR EMSCO RIG	NOS.	6000	"
08-06-00-547	SPARES FOR P – 80 RIG	NOS.	3000	"
08-06-00-548	SPARES FOR IDECO RIG	NOS.	8000	"
08-06-00-549	SPARES FOR CARRIEA AND U.R.B. RIGS	NOS.	2000	"
08-06-00-550	SPARES FOR DGU4000 , CABOT, SKY-TOP RIGS	NOS.	4000	"

LOCATION: BASRAH AND KIRKUK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-551	BUSES 45 & 25 SEATS	NOS.	10	Spares, equipment and safety items related to the 12 rigs above
08-06-00-552	LOW LOADERS / LORRIES / TANKERS	NOS.	10	"
08-06-00-553	CRANES	NOS.	10	"
08-06-00-554	FORKLIFTS	NOS.	10	"
08-06-00-555	MOBILE WORKSHOP	NOS.	2	"
08-06-00-556	WELDING MACHINE	NOS.	15	"
08-06-00-557	TYRES & TUBES FOR HEAVY LOADERS	NOS.	1000	"
08-06-00-558	AIR COMPRESSORS	NOS.	10	"
08-06-00-559	MUD PUMPS	NOS.	4	"
08-06-00-560	ENGINES FOR HEAVY VEHICLES	NOS.	35	"
08-06-00-561	SPARES FOR HEAVY VEHICLES	NOS.	8000	"
08-06-00-562	DRILLING PIPE & DRILL COLLARS	NOS.	3000	"
08-06-00-563	SAFETY & FIRE EQUIPMENT	NOS.	10000	"
08-06-00-564	HAND TOOLS & WORKSHOP EQUIPMENT	NOS.	2000	"
08-06-00-565	DRILLING CAMPS FOR 80 PERSONS	NOS.	2	"
08-06-00-566	AIR DRILLING RIGS	NOS.	2	"

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PROJECTS COMPANY (SCOP)
LOCATION: ENGINEERING OFFICES
DESIGN OFFICE REQUIREMENTS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-567	- LATEST ENGINEERING STANDARDS ON C.D. ROMS (API,ASTM,ASME,ANSI,NFPA,ACI,IEC,ASHERE, AASHO,AWWA,CCITT,ETC).	SET.	2	Office equipment and software for quality control and engineering projects
08-06-00-568	- ENGINEERING DESIGN SOFTWARE (PROCESS,EQUIPMENT,PIPING,INSTRUMENTATION, ELECTRICAL,CIVIL WORK & ARCHIVE SOFTWARE).	SET.	1	"
08-06-00-569	- PROJECT MANAGEMENT SOFTWARE (COSTING,SCHEDULING,QUALITY,ENVIRONMENTAL & CONTRACT)	SET.	1	"
08-06-00-570	- PHOTOCOPYING MACHINE FOR DRAWING UP TO (A0) SIZE .	NOS.	1	"
08-06-00-571	- PHOTOCOPYING MACHINE (OFFICE)	NOS.	10	Very large photocopier for engineering drawings
08-06-00-572	- SCANNER SIZE (A0) COMPATIBLE TO PC. RESOLUTION MIN 1200x1200 AND RASTER TO VECTOR SOFTWARE ,ANALYSIS WITH AutoCAD FILE FORMAT .	NOS.	1	Very large scanner for engineering drawings
08-06-00-573	- PORTABLE TEST EQUIPMENT AND INSTRUMENTS (AVOS, CLAMP AMMETERS, AIR FLOW METERS, VIBRATION METERS, EARTH RESISTANCE METER, ETC.)	NOS.	10	Electrical test equipment
08-06-00-574	- MULTI FUNCTION TEST INSTRUMENT FOR CATHODIC PROTECTION SYSTEM.	NOS.	1	"

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PROJECTS COMPANY (SCOP)
LOCATION: ENGINEERING OFFICES
DESIGN OFFICE REQUIREMENTS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-575	- COMPUTER PENTIUM II 450MHz WITH FULL OPTION	NOS.	50	Design equipment for engineering projects
08-06-00-576	- SCIENTIFIC CALCULATORS.	NOS.	100	"
08-06-00-577	- FILM SCANNER FOR 35mm POSITIVE /NEGATIVE	NOS.	1	"
08-06-00-578	- PROJECTOR FOR IMAGE PROJECTION FROM PC. ONTO SCREENS.	NOS.	1	"
08-06-00-579	- OFFICE STATIONARY A4 WRITING PAPER (OF 500 PAPERS PACKS) A3 WRITING PAPER (OF 500 PAPERS PACKS) DRAWING TRACE PAPER (100 SQ. M ROLLS) COMPUTER PRINTERS PAPER A3 CONTINUOUS CARBUNCLE 2 COPIES (OF 1500 PAPERS IN BOX)	 PACKS PACKS ROLLS BOX	 1000 200 100 180	Paper supplies not available in Iraq

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PROJECTS COMPANY (SCOP)
LOCATION: ALL SITES

FITTINGS AND CONSUMABLE

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-580	- CABLES AND ACCESSORIES POWER & CONTROL CABLES OF VARIOUS SIZES	ITEM	50	Construction sites and engineering work
08-06-00-581	- PIPING FITTINGS VALVES, FLANGES, ELBOWS, TEES,.....etc	ITEM	200	"
08-06-00-582	- WELDING ELECTRODES WELDING ELECTRODES FOR LINE PIPES & STORAGE TANKS TYPE 70.18, 6010, WITH DIAMETERS 2.5mm → 4.5 mm.	TONS	100	"

LOCATION: ALL SITES

CONSTRUCTION CONSUMABLES

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-583	- PIPELINE LAYING ACCESSORIES AND CONSUMABLES	ITEM	30	Construction materials for pipe laying and tank construction
08-06-00-584	- TANK ERECTION ACCESSORIES AND CONSUMABLES	ITEM	40	"
08-06-00-585	- WORKSHOP TOOLS & EQUIPMENT	ITEM	50	"

LOCATION: ALL SITES

INSPECTION EQUIPMENT'S, MATERIALS AND TOOLS.

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-586	- ULTRASONIC THICKNESS METER FLOW DETECTOR WITH PROBES, TEST BLOCK AND OTHER ACCESSORIES.	ITEM	4	NDT testing equipment
08-06-00-587	- DYE PENETRATION MATERIALS.	SET	100	"
08-06-00-588	- COATING AND PAINTING INSPECTION UNITS (HOLIDAY DETECTOR AND THICKNESS GAUGE.	ITEM	3	"
08-06-00-589	- PORTABLE HARDNESS TESTER.	NOS.	1	"
08-06-00-590	- WELD SEAM VACUUM TEST DEVICE.	NOS.	10	"
08-06-00-591	- ISOTOPE SOURCES IR 192 (40-100) CURIES.	NOS.	4	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PROJECTS COMPANY (SCOP)
LOCATION: ALL SITES

HEAVY CONSTRUCTION EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-592	- CRANES HYDRAULIC TRUCK MOBILE 20-30 TONS WITH RECOMMENDED SPARE PARTS.	NOS.	2	Heavy construction equipment for erection work of storage tanks and pipe laying
08-06-00-593	- CRANES HYDRAULIC TRUCK MOBILE 80 TONS WITH RECOMMENDED SPARE PARTS.	NOS.	1	"
08-06-00-594	- CRANE HYDRAULIC TRUCK MOBILE 45-50 TONS WITH RECOMMENDED SPARE PARTS.	NOS.	1	"
08-06-00-595	- SIDE BOOM 572 WITH RECOMMENDED SPARE PARTS.	NOS.	2	
08-06-00-596	- GRADER WITH HYDRAULIC DRIVE (150) hp. AT(2200) rpm WITH RECOMMENDED SPARE PARTS.	NOS.	2	

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PROJECTS COMPANY (SCOP)
LOCATION: ALL SITES

LIGHT CONSTRUCTION MACHINERY AND ACCESSORIES.

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-597	- GENERATORS / SKID 250-300 KVA WITH RECOMMENDED SPARE PARTS.	NOS.	2	Equipment for testing (hydraulic) and maintaining new pipes
08-06-00-598	- DEWATERING PUMP DIESEL DRIVEN ENGINE 50-80 cu. m./HR. 10-15 m. h. WITH RECOMMENDED SPARE PARTS	NOS.	3	"
08-06-00-599	- WELDING MACHINES DIESEL DRIVEN /450-500 Amp WITH RECOMMENDED SPARE PARTS.	NOS.	50	"
08-06-00-600	- ELECTRICAL WELDING MACHINES WITH RECOMMENDED SPARE PARTS.	NOS.	50	"
08-06-00-601	- PIPELINE BORING MACHINE WITH RECOMMENDED SPARE PARTS.	SET	3	"
08-06-00-602	- CLAMPS INTERNAL VARIOUS SIZES WITH RECOMMENDED SPARE PARTS.	SET	4	"
08-06-00-603	- FORK LIFTS 10 TONS WITH RECOMMENDED SPARE PARTS.	NOS.	2	"
08-06-00-604	- PORTABLE ROTARY SCREW COMPRESSOR WITH WATER COOLED ENGINE MAX WORKING PRESSURE (20) BAR, WITH RECOMMENDED SPARE PARTS.	NOS.	2	"

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PROJECTS COMPANY (SCOP)
LOCATION: ALL SITES

SPARE PARTS FOR CONSTRUCTION MACHINERY

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-605	- SPARE PARTS FOR MAINTENANCE OF SIDE BOOM/CAT. 583,572,571	ITEM.	100	Spare parts for construction equipment
08-06-00-606	- SPARE PARTS FOR MAINTENANCE OF BULLDOZERS/CAT. D9,D8,D7	ITEM.	50	"
08-06-00-607	- SPARE PARTS FOR MAINTENANCE OF SHOVELS/LIEBHER	ITEM.	100	"
08-06-00-608	- SPARE PARTS FOR MAINTENANCE OF GRADERS/CAT.	ITEM.	30	"
08-06-00-609	- SPARE PARTS FOR MAINTENANCE OF EXCAVATORS LIEBHER/CASE 9033	ITEM	100	"
08-06-00-610	- SPARE PARTS FOR MAINTENANCE OF CRANES , TADANO/P&H LIEBHER	ITEM	200	"
08-06-00-611	- SPARE PARTS FOR MAINTENANCE OF CRC/EVANS EQUIPMENT.	ITEM	100	"
08-06-00-612	- SPARE PARTS FOR MAINTENANCE OF WELDING MACHINES LINCOLN.	ITEM	100	"
08-06-00-613	- SPARE PARTS FOR MAINTENANCE OF GENERATORS MUNRADTECH/DETROIT.	ITEM.	100	"
08-06-00-614	- SPARE PARTS FOR MAINTENANCE OF WATER PUMPS KSB	ITEM.	100	"
08-06-00-615	- SPARE PARTS FOR COMPRESSORS/ATLAS COPCO ,AIRMAN.	ITEM.	60	"
08-06-00-616	- SPARE PARTS FOR FORK LIFT.S./KOMATSU/YALE	ITEM.	60	"
08-06-00-617	- SPARE PARTS FOR HEAVY TRUCKS SCANIA 112H / RENAULT CBH/CLM 280, JE13	ITEM.	500	"

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PROJECTS COMPANY (SCOP)
LOCATION: ALL SITES
LIGHT FIELD VEHICLE

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-618	DOUBLE CABIN PICK UP	NOS.	40	Transport for personnel, and small engineering items
08-06-00-619	STATION WAGON (LAND CRUISE OR SIMILAR)	NOS.	20	"
08-06-00-620	MINI BUSS 24 PASSENGERS	NOS.	10	"

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL EXPLORATION COMPANY
LOCATION: ALL AREAS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	3D SEISMIC ACQUISITION FOR OIL FIELD PRODUCTION, ENHANCEMENT & OPTIMIZATION			Replacement portable seismic recording systems and associated equipment plus special vehicle for marsh land in South
08-06-00-621	3D SEISMIC ACQUISTION RECORDING SYSTEM 1200 CHANNEL DUAL SOURCE	NOS.	2	"
08-06-00-622	SEISMIC ENERGY SOURCE VIBRATOR PEAK FORCE 75000 LB (32~35.TON)	NOS.	5	"
08-06-00-623	DRILLING RIG 150 M DEPTH ON MARSH BUGGY 4 x 4	NOS.	2	"
08-06-00-624	PORTABLE DRILLING RIG 50 M DEPTH	NOS.	2	"
08-06-00-625	GLOBAL POSITIONING SYSTEM (GPS)	NOS.	1	"
08-06-00-626	TANKER TRUCK 4 x 4 WITH WIDE MARSH BUGGY TYRE 67 x 34 x 25	NOS.	1	"
08-06-00-627	UTILITY TRUCK BODY 4 x 4 WITH WIDE MARSH BUGGY TYRE 67 x 34 x 25 FOR GEOPHONE & CABLES TRANSPORTATION	NOS.	1	"
08-06-00-628	HEAVY TRUCK (6 x 6) WITH MOUNTED CRANE 6 TONS	NOS.	1	"
08-06-00-629	LIGHT TRUCK (4 x 4) WITH SMALL CARGO BODY 5 TONS	NOS.	3	"
08-06-00-630	LIGHT FIELD VEHICLE 9-SEATER (4x4)	NOS.	5	"
08-06-00-631	VHF HAND HELD RADIO 5 WATT (146-174 MHz)	NOS.	30	"

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL EXPLORATION COMPANY
LOCATION: BAGHDAD

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-632	PROCESSING, INTERPRETAION AND GEOLOGICAL APPLICATIONS SOFTWARE PACKAGES	SET	1	Specialized geological software
08-06-00-633	INTERACTIVE WORK STATIONS WITH SPARES AND CONSUMABLES	NOS.	4	PC terminals
08-06-00-634	PHOTOCOPYING MACHINE A3	NOS.	1	Replacement items for obsolete equipment
08-06-00-635	MAP PHOTOCOPYING MACHINE A0	NOS.	1	"
08-06-00-636	REFLECTANCE AND FLOURESCENCE MICROSCOPE	NOS.	1	"
08-06-00-637	VACUUM PUMP 30 PSI OR 2 KG/CM^2	NOS.	1	"
08-06-00-638	ATOMIC ABSORPTION SPECTROMETER FOR ROUTINE & RESEARCH STUDIES WITH DOUBLE BEAM & AUTOMATIC GAS CONTROL	NOS.	1	Equipment for physical examination of cores
08-06-00-639	BACTERIAL ANALYZER	NOS.	1	"
08-06-00-640	RESISTIVITY METER FOR CORES AND WATER	NOS.	1	"
08-06-00-641	AUTOMATIC SULPHUR TESTER	NOS.	1	"
08-06-00-642	POLARIZING PETROGRAPHIC MICROSCOPE ATTACHED TO A P.C.	NOS.	2	"
08-06-00-643	MICROFILM / MICROFICHE SCANNER WITH SOFTWARE	NOS.	1	"
08-06-00-644	POUR POINT MEASURING INSTRUMENT FOR OIL OF RANGE +38 TO BELOW – 40	NOS.	1	"

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL EXPLORATION COMPANY
LOCATION: BAGHDAD

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-645	ELEMENTAL ANALYZER (C.H.N) WITH CONSUMABLE AND SPARE PARTS	NOS.	1	Replacement laboratory equipment for core analysis for obsolete items all originally from 1970's
08-06-00-646	CENTRIFUGAL EXTRACTOR FOR EXTRA RAPID EXTRACTION TWO SPEED HEATER	NOS.	2	"
08-06-00-647	HELIUM COMPRESSION POROSIMETER WITH HASSLER CORE HOLDER ,REFERENCE CELL	NOS.	1	"
08-06-00-648	PERMEAMETER FOR HIGH AND LOW PERMEABILITIES ACCURACY 0.01 MILLIDARCY	NOS.	1	"
08-06-00-649	PYROLSIS LAB. MODULE WITH CONSUMABLES AND SPARE PARTS	NOS.	1	"
08-06-00-650	CAPILLARY PRESSURE MEASUREMENT INSTRUMENT BY MERCURY INJECTION TO HOLD SAMPLES 1½", DIA 3", LONG STANDARD HEAD	NOS.	1	"
08-06-00-651	FORK LIFT DIESEL ENGINE 3 TONS	NOS.	2	Replacement item
08-06-00-652	SEWAGE PUMP	NOS.	2	Housing complex requirements for staff in Baghdad
08-06-00-653	DRINKING WATER PUMP	NOS.	2	"
08-06-00-654	FIRE FIGHTING PUMP DRIVEN BY DIESEL ENGINE	NOS.	1	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH REFINERIES COMPANY
LOCATION: BAIJI

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	ACTIVITY NO. (16) , REPAIR OF A FAULTY BLOWN ASPHALT BAGGING UNIT CONSISTING OF THE FOLLOWING ITEMS:			Complete project to repair unit destroyed in 1991. Reduces pollution as excess asphalt/fuel oil/slops reinjected into Kirkuk fields
08-06-16-655	- INSTRUMENTATION AND CONTROL SYSTEM	SET	250	"
08-06-16-656	- COLUMN INTERNALS	SET	200	"
08-06-16-657	- TUBES, PIPE FITTINGS	NOS.	2000	"
08-06-16-658	- PIPES OF DIFERENT MATERIALS &SIZES	MTR	10000	"
08-06-16-659	- HEAT. EXCHANGER BUNDLES &- AIR COOLER FIN FAN BUNDLES	SET	25	"
08-06-16-660	- ROTATING EQUIPMENT (PUMPS, COMPRESSORS, TURBINES) WITH RECOMMENDED SPARES	SET	100	"
	ACTIVITY NO. (17) INSTALL ONE ISOMERIZITION UNIT CONSISTING OF THE FOLLOWING ITEMS:			Installation of one isomerisation unit to improve gasoline quality and reduce TEL requirements
08-06-17-661	- HEAT. EXCHANGER BUNDLES &- AIR COOLER FIN FAN BUNDLES	SET	80	"
08-06-17-662	- PUMPS WITH RECOMMENDED SPARES	SET	100	"
08-06-17-663	- COMPRESSORS WITH RECOMMENDED SPARES	SET	50	"
	- INSTRUMENTATION:			"
08-06-17-664	* FIELD INST.	SET	100	"
08-06-17-665	* CONTROL ROOM INST.	SET	200	"
08-06-17-666	* COMPUTER FOR PROCESS CONTROL & MONIT.	SET	15	"
08-06-17-667	* ANALYTICAL INST.	NOS.	50	"
08-06-17-668	- VESSELS, COLUMNS & DRUMS	NOS.	100	"
08-06-17-669	- STEEL STRUCTURES	TON	250	"
08-06-17-670	- ELECTRICAL EQUIPMENT WITH RECOMMENDED SPARES	SET	150	"
08-06-17-671	- WELDING EQUIPMENT AND TOOLS	SET	15	"
08-06-17-672	- WELDING CONSUMBLES	TON	25	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH REFINERIES COMPANY
LOCATION: BAIJI

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	ACTIVITY NO. (18) MATERIALS REQUIRED OF THE REVAMP OF THREE. HDS UNITS OF NORTH REFINERY, SAL1 & SAL2 REFINERIES CONSISTING OF THE FOLLOWING ITEMS:			Complete rebuild of three HDS units to improve middle distillate quality and production efficiency
08-06-18-673	- REVERSE OSMOSIS UNITS	SET	2	"
08-06-18-674	- DEMINIRIZATION PLANTS REVAMP	SET	2	"
08-06-18-675	- BOILER SUPER HEATER BUNDLES & ANCILLARIES BOILER OVERHAUL SPARES	SET	10	"
08-06-18-676	- COMPLETE ROTATING EQUIPMENT WITH RECOMMENDED SPARES (PUMPS, COMPRESSORS,TURBINE ..... ETC)	SET	600	"
08-06-18-677	- CATALYST SUPPORT MEDIA	TON	50	"
08-06-18-678	- COOLING TOWER PACKING & ANCILARIES	SET	10	"
08-06-18-679	- INSTRUMENTATION & CONTROL SYSTEMS	SET	1000	"
08-06-18-680	- ELECTRICAL EQUIPMENT WITH SPARES	SET	500	"
08-06-18-681	- CABLES	MTR	10000	"
08-06-18-682	- TUBE BUNDLES & FIN - FAN AIR COOLERS	SET	100	"
	ACTIVITY NO. (19) REVAMP OF SULFUR RECOVERY UNIT CONSISTING OF THE FOLLOWING ITEMS:			Complete rebuild of sulphur recovery unit removing H2S from gas flows.
08-06-19-683	- MAINTENANCE TOOLS	SET	100	"
08-06-19-684	- AIR CONDITION SETS WITH RECOMMENDED SPARES	SET	50	"
08-06-19-685	- BEARINGS	SET	500	"
08-06-19-686	- ELECTRICAL EQUIPMENT WITH RECOMMENDED SPARES	SET	500	"
08-06-19-687	- GASKETS, VALVES, V- BELTS, BOLTS & NUTS	SET	1000	"
08-06-19-688	- TUBES, PIPE FITTINGS	SET	500	"
08-06-19-689	- PIPES OF DIFFRENT MATERIALS & SIZES	MTR	10000	"
08-06-19-690	- INSTRUMENTATION & CONTROL SYSTEMS	SET	500	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH REFINERIES COMPANY
LOCATION: BAIJI

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	SAFETY, FIRE FIGHTING TRUCKS & EQUIPMENT:			Fire fighting and safety equipment
08-06-00-691	-FIRE FIGHTING VEHICLES WITH RECOMMENDED SPARES	NOS.	3	"
08-06-00-692	-OIL SLICK ABATEMENT EQUIPMENT WITH RECOMMENDED SPARES	SET	2	"
08-06-00-693	-PERSONNEL GARMENTS, FOOTWEAR & TOOLS	SET	1000	"
	HEAVY EQUIPMENT WITH RECOMMENDED SPARES:			
08-06-00-694	-MOBILE AIR COMPRESSORS WITH RECOMMENDED SPARES	NOS.	6	Equipment for use within the refinery complex
08-06-00-695	-CRANES	NOS.	2	"
08-06-00-696	-FORKLIFTS	NOS.	4	"
08-06-00-697	-TRUCKS	NOS.	6	"
08-06-00-698	-DUMP TRUCKS	NOS.	4	"
08-06-00-699	-LORRIES	NOS.	6	"
08-06-00-700	-VACUUM TRUCKS	NOS.	4	"
08-06-00-701	-AMBULANCES	NOS.	3	"
08-06-00-702	-40- SEATS BUSES, MINI BUSES & VANS	NOS.	25	"
08-06-00-703	-SHOVELS	NOS.	2	"
08-06-00-704	-BULLDOZER	NOS.	1	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH REFINERIES COMPANY
LOCATION: BAIJI

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	CTIVITY NO. (20) LUBE OIL COMPLEX REVAMP OMPRISING:	LOT	1	Complete rebuild of one lube oil plant train (destroyed in 1991) by new parts and cannibalization of second train to produce 125,000 tons per annum of quality lube oil
08-06-20-705	- COMPLETE CHILLERS WITH RECOMMENDED SPARES	SET	100	"
08-06-20-706	- ELMCO FILTERS WITH RECOMMENDED SPARES	SET	500	"
08-06-20-707	- ROTARY EQUIPMENT (PUMPS, COMPRESSORS AND TURBINES) WITH RECOMMENDED SPARES	SET	300	"
	- INSTRUMENTATION:			"
08-06-20-708	* FIELD INSTRUMENTS	SET	500	"
08-06-20-709	* CONTROL ROOM INSTRUMENTS	SET	500	"
08-06-20-710	* PROCESS CONTROL COMPUTER & MONITORS	SET	20	"
08-06-20-711	* ANALYTICAL INSTRUMENTS	SET	50	"
08-06-20-712	- ELECTRICAL EQUIPMENT WITH RECOMMENDED SPARES	SET	500	"
08-06-20-713	- COOLING TOWER PACKINGS & ANCILLARIES	SET	4	"
08-06-20-714	- TUBE BUNDLES & FIN - FAN AIR COOLERS	SET	100	"
08-06-20-715	- COLUMNS & INTERNALS	SET	10	"
08-06-20-716	- HEATERS & ANCILLARIES	SET	5	"
08-06-20-717	- TOTAL UNITS INTEGRATED PIPING NETWORKS	SET	25	"
	OFFSITE EQUIPMENT & MATERIALS COMPRISING:			"
08-06-20-718	- COMPLETE ROTATING EQUIPMENT WITH RECOMMENDED SPARES (PUMPS , COMPRESSORS,TURBINE ..... ETC)	SET	900	Offsite equipment repairs
	- INSTRUMENTATION:			
08-06-20-719	* MEASURING & CONTROL INSTRUMENTS WITH RECOMMENDED SPARES	SET	1000	Process control equipment for refinery operations
08-06-20-720	* THERMOCOUPLE & CONTROL CABLES	MTR	7000	"
08-06-20-721	- ELECTRICALS EQUIPMENT WITH RECOMMENDED SPARES	SET	300	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: MIDLAND REFINERIES
LOCATION: DAURA REFINERY

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	ACTIVITY NO. (21), INCREASING FURNACES AND BOILERS EFFICIENCY:			
08-06-21-722	-CONTRACT TO CARRY OUT SITE SURVEY TO DETERMINE THE PRESENT STATE OF BOILERS AND FURNACES EFFICIENCY, AND TO DETERMIND THE REQUIRED EQUIP. TO INCREASE THEIR EFFICIENCY	CONT.	1	External survey to investigate efficiency of 42 refinery boilers to advise and recommend a scope of work
08-06-21-723	-SUPPLY, THE REQUIRED EQUIP., TO INCREASE BOILERS AND FURNACES EFFICIENCY, INSTALL OPERATE.	CONT.	1	Contract to carry out the scope of work as recommended above
08-06-00-724	COMPLETE LIQUID WASTE INCINERATORS & ACCESSORIES WITH SUPERVISION AND INSTALLATION TO REDUCE ENVIRONMENTAL POLLUTION WITH RECOMMENDED SPARES.	SET	3	Incinerator units to control liquid waste
08-06-00-725	CRUDE OIL DESALTERS & ACCESSORIES WITH RECOMMENDED SPARES	SET	8	Replacement desalter unit to treat incoming crude which is ten times over operational limits
	SAFETY, FIRE FIGHTING TRUCKS & EQUIPMENT :			
08-06-00-726	- FIRE FIGHTING ACCESSORIES,GLOVES	NOS.	2000	Safety and fire fighting equipment
08-06-00-727	- TOOLS, FIREMEN SUITS, FOOT WEARS	SET	500	"
08-06-00-728	- HOSES	MTR	4000	"
08-06-00-729	- FIRE FIGHTING VEHICLES WITH RECOM. SPARES	NOS.	3	"
08-06-00-730	- FIXED & MOBILE DEISEL DRIVEN FIRE FIGHTING PUMPS WITH RECOMMENDED SPARES	NOS.	4	"
08-06-00-731	- FIXED FIRE WATER PUMPS WITH MOTORS OR STEAM TURBINES WITH RECOMMENDED SPARES	NOS.	4	"
	PIPES, FITTINGS, GASKETS .... ETC AS FOLLOWING:			
08-06-00-732	- GALVANIZED PIPES	MTR	15000	Repair and maintenance of machinery
08-06-00-733	- FITTINGS, VALVES, GASKETS, FLARING FITTINGS	NOS.	50000	"
08-06-00-734	- WELDING ELECTRODES	TON	10	"
08-06-00-735	- GASKET SHEETS	SHEET	1000	"
08-06-00-736	- HEAT EXCHANGER GASKETS	SET	200	"
08-06-00-737	REPAIR OF STEAM TURBINE AND GAS COMPR. ROTOR, REPAIRING ACTIVITIES EITHER ON SITE OR ABROAD	NOS.	2	To repair two units which may require, after examination, out of country expertise

MINISTRY OF OIL
ESTABLISHMENT NAME: MIDLAND REFINERIES
LOCATION: DAURA REFINERY

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	ROTATING MACHINES WITH SPARES:			
08-06-00-738	- PUMPS COMPLETE WITH MOTORS OR WITH STEAM TURBINE, FANS WITH MOTORS, WITH RECOMMENDED SPARES	SET	50	General refinery maintenance
08-06-00-739	- SPARES FOR EXISTING EQUIPMENT	NOS.	3000	"
08-06-00-740	- M ECHANICAL SEALS. WITH RECOMMENDED SPARES	NOS.	200	"
	MAINTENANCE MOBILE EQUIPMENT & TOOLS WITH RECOMMENDED SPARERS :-			
08-06-00-741	- CRANE 50 TONS	NOS.	1	General maintenance equipment for mobile machinery (cranes, fork lifts etc)
08-06-00-742	-DRUM SQUEEZERS	NOS.	5	"
08-06-00-743	- RELAMPING TRUCK	NOS.	1	"
08-06-00-744	- HOT TAPPING MACHINE	SET	1	"
08-06-00-745	- DESLUDGING TRUCK	NOS.	1	"
08-06-00-746	- INDUSTRIAL WATER TANKERS(VAC.)	NOS.	2	"
08-06-00-747	- GENERAL MAINTENANCE TOOLS& EQUIPMENT	NOS.	1000	"
08-06-00-748	-SPARES FOR EXISTING EQUIP.	NOS.	5000	"
	GENERAL ELECTRICAL MATERIALS:			
08-06-00-749	- CABLE JOINTING KITS	KIT	1200	General repairs to electrical equipment
08-06-00-750	- TAPES	ROLLS	2000	"
08-06-00-751	- MOTOR REWINDING WIRES	KG	12000	"
08-06-00-752	- MEASURING DEVICES FOR CATHODIC PROTEC.	SET	50	"
08-06-00-753	SPARES FOR EXISTING INSTRUMENTS,COMPLETE CONTROLVALVES,TRANSMITTERS,RECPRESSURE SWITCHES, THERMOMETERS, PRESSURE GAUGES, TEMP.SWITCHES, LEVEL SWITCHES, LEVEL INDICATORS.	NOS.	3000	Repairs to refinery instrumentation
08-06-00-754	EMERGENCY GENERATOR (4 MW) CAPACITY COMPLETE WITH ACCESSORIES, SUPERVISION,AND INSTALLATION	SET	1	Back-up electricity supply

MINISTRY OF OIL
ESTABLISHMENT NAME: MIDLAND REFINERIES
LOCATION: DAURA REFINERY

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	WATER TREATMENT EQUIPMENT:			
08-06-00-755	- CLARIFIERS WITH CAPACITY OF 1000 M^3/H EACH WITH ALL ACCESSORIES & RECOMMENDED SPARES	SET	4	Equipment to improve quality of run-off water from refinery
08-06-00-756	- DUAL MEDIA FILTERS WITH ALL ACCESSORIES & RECOMMENDED SPARES	SET	10	"
08-06-00-757	- PIPES	MTR	20000	"
08-06-00-758	- CABLES	MTR	10000	"
08-06-00-759	COMPELETE HYDROGEN & PROPANE COMPRESSORS WITH RECOMMENDED SPARES	SET	10	Repair and maintenance
08-06-00-760	SPARES FOR EXISTING WATER TREATMENT UNIT (IONICS-EDR).	NOS.	5000	Further spares for Ionics unit not ordered in previous phases

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH REFINERIES CO.SC.
LOCATION: BASRAH

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-761	MATERIALS REQUIRED FOR THE REVAMPING OF L.G.O DESULFURIZATION UNIT TO ISOMERIZATION UNIT OR INSTALLING ANEW ISOMERIZATION UNIT. CONSISTING OF THE FOLLOWING ITEMS (CATALYST, PUMPS, COMPRESSORS, INSTRUMENTS, PIPES, TOWERS, ELECTRICALS, AND OTHER MISC. ITEMS). WITH RECOMMENDED SPARES	LOT	1	Application to either convert LGO desulphurisation unit to an isomerisation unit, or if not feasible to install new isomerisation unit to increase quality of gasoline
08-06-00-762	STEAM BOILER CAPACITY 150 TON/HRS WITH RECOMMENDED SPARES	SET	1	Complete renewal of non-functioning unit

MINISTRY OF OIL
ESTABLISHMENT NAME:NORTHERN GAS INDUSTRY
LOCATION:KIRKUK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-763	AMINE UNIT PUMPS WITH SPARES	SET	5	Units to improve quality of fuel gas and reduce H2S in one train only
08-06-00-764	SPARES FOR THE EXISTING AMINE UNIT PUMPS	NOS.	1500	"
08-06-00-765	MATERIALS REQUIRED FOR THE REPAIR OF FAULTY SULFUR PRODUCTION UNITS. (FOUR UNITS) CONSISTING OF THE FOLLOWING ITEMS (PUMPS, PIPES, INSTRUMENTS, ELECTRICALS, FITTINGS, BUNDLES , AND OTHER MISC. ITEMS.). WITH RECOMMENDED SPARES.	NOS.	5000	Repair of faulty sulphur units for environmental reasons
08-06-00-766	MATERIALS REQUIRED FOR THE REPAIR OF FAULTY SULFUR CRUSHING UNITS. (SIX UNITS)) CONSISTING OF THE FOLLOWING ITEMS (PUMPS, PIPES, INSTRUMENTS, ELECTRICALS, FITTINGS AND OTHER MISC. ITEMS.). WITH RECOMMENDED SPARES.	NOS.	5000	"
08-06-00-767	SAFETY EQUIPMENT WITH RECOMMENDED SPARES	NOS.	200	Equipment and spares to monitor gases in the field, with spare parts for existing units
08-06-00-768	EQUIPMENT FOR INDUSTRIAL WATER TREATMENT AND STEAM GENERATION WITH RECOMMENDED SPARES	NOS.	2500	Equipment to increase efficiency of plants (clarifiers, ionic towers) plus necessary instrumentation
08-06-00-769	ROTARY MACHINES WITH RECOMMENDED SPARES (PUMPS, COMPRESSORS, FANS .... ETC)	SET	100	Repair and maintenance, and new pumps and compressors
08-06-00-770	SPARES FOR EXISTING ROTARY MACHINES	NOS.	2500	"

MINISTRY OF OIL
ESTABLISHMENT NAME:NORTHERN GAS INDUSTRY
LOCATION:KIRKUK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-771	GAS METERING & CONTROL INSTRUMENTS WITH RECOMMENDED SPARES	NOS.	1000	Gas metering and associated metering systems
08-06-00-772	PIPES & TUBES FOR HEAT EXCHANGER & BOILERS	NOS.	40000	Repair and maintenance of existing boilers
08-06-00-773	INSTRUMENTS FOR ENVIRONMENTAL PROTECTION ANALYTIC DEVICES WITH RECOMMENDED SPARES	SET	100	Portable testing equipment (pH meters, chromatographs, AA's, BOD/COD tests)
08-06-00-774	MISC. ELECTRICAL EQUIPMENT WITH RECOMMENDED SPARES	NOS.	300	UPS, motors, circuit breakers etc
08-06-00-775	ELECTRICAL CABLES VARIOUS SIZES	MTR	10000	Cabling for repairs
08-06-00-776	ENGINEERING SURVEY & INSPECTION INSTRUMENTATION WITH RECOMMENDED SPARES	SET	10	Portable instruments for hardness and thickness testing

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH GAS CO.SC.
LOCATION: BASRAH

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-777	MATERIALS REQUIRED FOR THE REHABILITATION OF KHOR-ZUBAIR NGL PLANT. CONSISTING OF THE FOLLOWING ITEMS (ROTATING MACHINES, TURBINES, PUMPS, GEARS, FILTERS, FANS, COMPRESSORS, CABLES, PIPES, FITTINGS, INSTRUMENTS, ELECTRICALS AND OTHER MISC.ITEMS). WITH SPARES.	LOT	1	Spares for NGL plant, which is currently partly cannibalized, to treat increased production the SOC region
08-06-00-778	MATERIALS REQUIRED FOR THE REHABILITATION OF KHOR-ZUBAIR LPG PLANT, CONSISTING OF THE FOLLOWING ITEMS (ROTATING MACHINES, TURBINES, PUMPS, GEARS, FILTERS, FANS, COMPRESSORS, CABLES, PIPES, FITTINGS, INSTRUMENTS, ELECTRICALS, AND OTHER MISC.ITEMS). WITH SPARES.	LOT	1	Spares for PLG plant, which is currently partly cannibalized, to treat increased production the SOC region
08-06-00-779	MATERIALS REQUIRED FOR THE REHABILITATION OF NORTH - RUMAILA SOUR GASES TREATMENT UNITS, ONE UNIT CONSISTING OF THE FOLLOWING ITEMS (ROTATING MACHINES, TURBINES, PUMPS, GEARS, FILTERS, FANS, COMPRESSORS, CABLES, PIPES, FITTINGS, INSTRUMENTS, ELECTRICALS, AND OTHER MISC.ITEMS). WITH SPARES.	LOT	1	Spares for repair of H2S extraction plant; gas is currently being burnt with serious pollution effects
08-06-00-780	EQUIPMENT & SPARES FOR NORTH - RUMAILA NGL PLANT CONSISTING OF THE FOLLOWING ITEMS (ROTATING MACHINES, TURBINES, PUMPS, GEARS, FILTERS, FANS, COMPRESSORS, CABLES, PIPES, FITTINGS, INSTRUMENTS, ELECTRICALS, AND OTHER MISC.ITEMS). WITH SPARES.	LOT	1	Spares for existing NGL train. This plant has not had any spare parts for 11 years
08-06-00-781	MAINTENANCE EQUIPMENT (WORKSHOP EQUIPMENT, VIBRATION BALANCE, TOOLS, AND OTHER MISC.ITEMS). WITH SPARES.	NOS.	60	Equipment required for above works
08-06-00-782	SPARES FOR GAS FLAKES	NOS.	20	To replace damaged flare tips
08-06-00-783	PIPES VARIOUS SIZES	MTR	1000	General repair requirements

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MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH GAS CO.SC.
LOCATION: BASRAH

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	SAFETY, FIRE FIGHTING TRUCKS & EQUIPMENT:			
08-06-00-784	-PERSONAL'S SAFETY ACC. & TOOLS	SET	2000	Safety and fire fighting equipment, and gas detection
08-06-00-785	-SAFETY EQUIPMENT WITH RECOMMENDED SPARES	NOS.	2000	"
08-06-00-786	-FIRE FIGHTING VEHICLES WITH RECOMMENDED SPARES	NOS.	2	"
08-06-00-787	-FIRE ALARM SYSTEMS WITH RECOMMENDED SPARES	NOS.	2	"
08-06-00-788	WATER TREATMENT PLANT (R.O) COMPLETE WITH RECOMMENDED SPARES.	UNIT	1	To supply potable water to staff
08-06-00-789	NITROGEN PLANTS COMPLETE WITH SPARES. (TWO)UNITS	UNITS	2	For N2 purging
08-06-00-790	WATER SUPPLY PROJECT, CONSISTING OF THE FOLLOWING ITEMS (PIPES, MOTORS, PUMPS, ELECTRICAL EQUIPMENT, INSTRUMENTS, WELDING RODS, AND OTHER MISC. ITEMS). WITH RECOMMENDED SPARES	LOT	1	Fresh water distribution system for NGL/LPG plants.
	HEAVY EQUIPMENT WITH RECOMMENDED SPARES :			
08-06-00-791	- CRANE CAPACITY 150 TONS	NOS.	1	Heavy equipment requirements for local operations
08-06-00-792	-LORRIES CAPACITY 12 TONS	NOS.	5	"
08-06-00-793	-TRAILER CAPACITY 30 TONS	NOS.	1	"
08-06-00-794	- FORKLIFLS CAPACITY 10,5,3,2. TONS	NOS.	5	"
08-06-00-795	GAS FILTERING SYSTEM WITH RECOMMENDED SPARES	NOS.	1	Filters to prevent damage to molecular sieves and valves

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MINISTRY OF OIL
ESTABLISHMENT NAME: GAS FILLING CO.
LOCATION: LPG FILLING PLANTS-VARIOUS LOCATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	LPG-Cylinders Valves & Their Spare Parts:			
08-06-00-796	Complete Valve.	NOS.	700 000	To replace damaged valves on old cylinders, and for new cylinders
08-06-00-797	Upper Parts.Of Valve	NOS.	200 000	Replacements for leaking valves
	LPG Filling Heads & their Spare Parts:			
08-06-00-798	Complete Filling Head	NOS.	800	For filling and bottling plants
08-06-00-799	Spare Parts for Filling Head.	NOS.	20000	"
	Steel Plate for LPG Cylinders:			
08-06-00-800	Body.	TON	500	For new cylinders
08-06-00-801	Base Ring.	TON	1000	To repair old cylinders
08-06-00-802	Guard Ring.	TON	1000	"
	Consumable Materials for the production of LPG Cylinders:			
08-06-00-803	Cut Steel Wire Shot.	TON	75	Items required for local maintenance of gas cylinders
08-06-00-804	Welding Wire E6013	TON	100	"
08-06-00-805	Greasing & Degreasing Agents.	TON	2	"
08-06-00-806	Dies for the maintenance of LPG Cylinders.	NOS.	5	"
08-06-00-807	Spare Parts for Dies for the maintenance of LPG Cylinders.	NOS.	40	"
08-06-00-808	Spare Parts for LPG Cylinders Manufacturing Plant.	NOS.	250	"
08-06-00-809	Strip Feeder for blank cutting machine.	NOS.	1	"
08-06-00-810	Pneumatic chisels.	NOS.	10	"
08-06-00-811	Valve Screwing Machines	NOS.	6	"
08-06-00-812	Washing Plant for cleaning LPG Cylinders Components.	NOS.	1	"

MINISTRY OF OIL
ESTABLISHMENT NAME: GAS FILLING CO
LOCATION: LPG FILLING PLANTS-VARIOUS LOCATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	
08-06-00-813	Production Lines for the manufacture of LPG Cylinders Base Rings & Guard Rings .	SET	1	"
08-06-00-814	Painting Units for LPG Cylinders .	NOS.	5	"
08-06-00-815	Shot Blasting machines for LPG Cylinders	NOS.	5	"
08-06-00-816	Mechanical & Pneumatic Manipulators for Welding of Base Rings & Guard Rings on LPG Cylinders .	NOS.	30	"
08-06-00-817	Mechanical Manipulators for Cutting Base Rings from damaged LPG Cylinders .	NOS.	10	"
	Machines for Welding of LPG Cylinders Consisting of:			
08-06-00-818	Cutting & Beading Machines.	NOS.	1	Machinery and plate to manufacture 500 cylinders a day
08-06-00-819	Valve neck Welding Machine	NOS.	1	"
08-06-00-820	Middle Seam Welding Machine.	NOS.	1	"
08-06-00-821	CO_2 Welding Machine.	NOS.	3	"
08-06-00-822	Plate for Manufacturing of LPG Tanks Cap. 50 Tons.	TON	500	"
08-06-00-823	Accessories For LPG Tanks	NOS.	200	"
08-06-00-824	LPG Cylinder Evacuation Unit	NOS.	5	"
08-06-00-825	LPG Cylinders With Valves	NOS.	500000	New cylinders (local manufactured cannot support demand)

MINISTRY OF OIL
ESTABLISHMENT NAME: GAS FILLING CO.
LOCATION: LPG FILLING PLANTS-VARIOUS LOCATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-826	Complete Automatic Filling Line for LPG Cylinder	NOS.	6	Replacement machinery and equipment for local filling plants
08-06-00-827	Miscellaneous Spare Parts for Filling Plants	NOS..	16000	"
08-06-00-828	Chain Conveyors For Filling Plants	MTR.	6000	"
08-06-00-829	Pipes Size (1" - 8")	MTR.	18000	"
08-06-00-830	Fittings Sizes (1" - 8)	NOS.	1100	"
08-06-00-831	Valves Size (3" – 4")	NOS.	50	"
08-06-00-832	Steam Trap	NOS.	5	"
08-06-00-833	Pneumatic Tools for Maintenance of Heat Exchangers for Filling Plants	NOS.	650	"
	Weighing Equipment:			
08-06-00-834	Weighing Bridge Cap. 80000 Kg. For LPG Trucks	NOS.	3	Required to weigh lorries for road distribution
08-06-00-835	Heavy Duty Mechanical weighing Scale Cap. 200 Kg Grading 50 g for LPG Cylinders	NOS.	50	For cylinder check weighment
08-06-00-836	Instruments & Spares	NOS. SET	150 40	Gauges and meters Spares for same

MINISTRY OF OIL
ESTABLISHMENT NAME: GAS FILLING CO.
LOCATION: LPG FILLING PLANTS-VARIOUS LOCATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	ROTATING MACHINERY, TRANSPORATION & ACCESSORIES:			
08-06-00-837	LPG Compressors	NOS.	5	Replacement of existing plant and additional equipment
08-06-00-838	Air compressors.	NOS.	30	"
08-06-00-839	Dryers.	NOS.	25	"
08-06-00-840	LPG Pumps.	NOS.	10	"
08-06-00-841	Fire Fighting Pumps (Electrical & Diesel)	NOS.	20	"
08-06-00-842	Hydrostatic Test Pump .	NOS.	5	"
08-06-00-843	Spare Parts for Rotating Machines.	NOS. SET	8000 2000	"
08-06-00-844	Alignment Tools for Pumps.	SET	5	"
08-06-00-845	Welding Machine (500 – 600) amp. & Spare parts.	NOS.	40	"
08-06-00-846	Long Cargo Truck Capacity (15) TON.	NOS.	4	"
08-06-00-847	Truck – Mounted Aerial Lifts.	NOS.	1	"
08-06-00-848	Fire fighting Truck	NOS.	6	"
08-06-00-849	Aerial Platform Van Type	NOS.	1	"
08-06-00-850	Crane Cap. 50 TON	NOS.	1	"
08-06-00-851	Pick-up Double Cab. & Land Cruisers	NOS.	50	"
08-06-00-852	Tank Truck (8000 – 10000) lit. For transporting sewage water.	NOS.	1	"
08-06-00-853	Winch Crane (50) TON	NOS.	1	"
08-06-00-854	Mobile Workshop for fire equipment maintenance.	NOS.	1	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: GAS FILLING CO.
LOCATION: LPG FILLING PLANTS-VARIOUS LOCATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	Communication Systems:			
08-06-00-855	Communication System Center Unit and Secondary Unit With their Spare Parts.	SET	10	Further communication equipment required as the Gas Filling Co has now been given further geographical coverage
08-06-00-856	Explosion Proof Telephone Sets	NOS.	70	"
08-06-00-857	Spare Parts For Telephone & Wireless Communication Sets	NOS.	900	"
	Electrical Equipment and Spare Parts for LPG Plants:			
08-06-00-858	Electric Lighting and Fittings.	NOS.	8000	Control equipment maintenance
08-06-00-859	Electric Generators with Spares.	NOS.	10	"
08-06-00-860	Explosion Proof Electric Equipment.	NOS.	2000	"
08-06-00-861	Electric Controlling Equipment.	NOS.	300	"
08-06-00-862	Electric Testing Instruments.	NOS.	100	"
	Fire , Safety and Inspection Equipment:			
08-06-00-863	Safety Equipment.	NOS.	60	Safety equipment
08-06-00-864	Personal Safety Equipment & Accessories	NOS.	12000	"
08-06-00-865	Inspection Equipment.	NOS.	6	Various accessories for inspection of corrosion inhibition, fire fighting etc
08-06-00-866	Laboratory Equipment.	SET	8	"
08-06-00-867	Thiophene Odorizer, Corrosion Inhibitor, Dry Powder For fire Fighting & Other Chemicals Connected Specifically to filling Plants	TON	60	"
08-06-00-868	Gas Rubber Hoses, 6 m long	NOS.	40	"
08-06-00-869	Accessories for Gas Tankers , 20 TON Capacity.	NOS.	3500	Valves and gauges

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PIPELINES COMPANY
LOCATION: OIL DEPOTS/PUMPING STATIONS /PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-870	FLOW METER, COMPLETE, FOR MEASURING QUANTITIES OF OIL PRODUCTS PUMPED IN PIPELINES (INCLUDING MECHANICAL PARTS) OF DIFFERENT SIZES (3-12) INCHES	NOS.	100	New flow meters for control of product distribution
08-06-00-871	PUMPING SETS ELECTRIC MOTOR DRIVEN FOR LOADING AND OFF-LOADING OIL PRODUCTS OF DIFFERENT SIZES AND TYPES WITH TWO YEARS RECOMMENDED SPARE PARTS	NOS.	15	Distribution and pumping equipment for transfer of products, plus spares
08-06-00-872	SPARE PARTS FOR EXISTING PUMP SETS OPERATIONAL IN DEPOTS AND PUMPING STATIONS INCLUDING MAIN AND BOOSTER PUMPS	NOS.	50000	General spares for existing pumps
08-06-00-873	SPARE PARTS FOR EXISTING METERS OPERATIONAL IN DEPOTS AND PUMPING STATIONS	NOS.	100000	General spares for meters
08-06-00-874	FIRE FIGHTING TRUCKS 8000 LITRE WATER TANK AND 1000 LITRE FOAM TANK FOR OIL INDUSTRY COMPLETE WITH ALL RECOMMENDED SPECIALIZED EQUIPMENT WITH TWO YEARS SPARE PARTS	NOS.	3	Safety equipment
08-06-00-875	FIRE FIGHTING EQUIPMENT, GAS AND OXYGEN DETECTORS, $2^{1}/_{2}$ INCHES BALL VALVES FOR HYDRANTS, F.M.B. PIPES, IN LINE INDICATORS, FIRE HOSES, PORTABLE FIRE EXTINGUISHERS, SUITS FOR T.E.L. TANKS	NOS.	1600	Safety equipment
08-06-00-876	FOAM FLUOROPROTIEN	LIT	10000	Fire fighting requirement
08-06-00-877	DRY CHEMICAL POWDER FOR THREE TYPES OF FIRE (ABC)	KG.	5000	"

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PIPELINES COMPANY
LOCATION: OIL DEPOTS/PUMPING STATIONS /PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-878	PETROLEUM TESTING EQUIPMENT (LABORATORY) OF DIFFERENT TYPES TO CHECK SPECIFICATIONS OF OIL PRODUCTS IN OIL DEPOTS AND OIL PUMPING STATIONS WITH RECOMMENDED SPARE PARTS FOR TWO YEARS	NOS.	5	Testing equipment for central laboratory for "spot testing" of quality
08-06-00-879	LINE PIPE OF DIFFERENT SIZES, SCHEDULES AND TYPES	KM.	20	Replacement and repair of old pipe
08-06-00-880	HYDRAULIC PIPE CUTTER COMPLETE WITH HYDRAULIC DIESEL POWER PACK	NOS.	2	Replacement of worn equipment
08-06-00-881	ACCESSORIES FOR HYDRAULIC PIPE CUTTER	NOS.	100	"
08-06-00-882	WELDING ELECTRODES OF DIFFERENT SIZES AND TYPES	TON	15	Material for maintenance of pipe
08-06-00-883	GASKETS OF DIFFERENT SIZES AND CLASSES	NOS.	20000	"
08-06-00-884	STUD BOLTS WITH TWO NUTS OF DIFFERENT DIAMETERS AND LENGTHS	NOS.	30000	"
08-06-00-885	PIPE FITTINGS OF DIFFERENT SIZES, CLASSES AND SCHEDULES FROM 3 INCHES UP TO 30 INCHES	NOS.	5000	"
08-06-00-886	VALVES OF DIFFERENT SIZES, TYPES AND CLASSES TO CONTROL FLOW OF OIL PRODUCTS IN PIPE LINES, OIL DEPOTS AND PUMPING STATIONS	NOS.	200	"
08-06-00-887	SPLIT. SLEEVE OF DIFFERENT LENGTHS TO REPAIR PIPE LINE LEAKS	NOS.	50	"
08-06-00-888	POLYETHYLENE WRAPPING TAPE, INNER AND OUTER	SQ.M.	20000	"
08-06-00-889	RUBBER BUTYL SOLUTION (PRIMER)	LIT.	2000	"

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PIPELINES COMPANY
LOCATION: OIL DEPOTS/PUMPING STATIONS /PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-890	760A TAPPING MACHINE COMPLETE WITH HYDRAULIC SKID AND HYDRAULIC PETROL POWER PACK.	NOS.	1	Repeat order from Phase 5
08-06-00-891	660A TAPPING MACHINE COMPLETE WITH HYDRAULIC SKID AND HYDRAULIC PETROL POWER PACK.	NOS.	1	"
08-06-00-892	ACCESSORIES FOR 760A & 660A TAPPING MACHINES	NOS.	70	"
08-06-00-893	LATCH FRAME 4-WHEEL MANUAL PIPE CUTTER (4-6) INCHES AND (8-12) INCHES WITH 300 EXTRA CUTTER WHEELS	NOS.	4	Equipment for pipe maintenance
08-06-00-894	EXTERNAL PIPE CLAMP OF DIFFERENT SIZES	NOS.	20	"
08-06-00-895	HYDROSTATIC TEST PUMP, UP TO 150 BARS, DIESEL DRIVEN COMPLETE WITH ALL ACCESSORIES, CAPACITY 20 LITERS/MINUTE	NOS.	2	Replacement of old equipment
08-06-00-896	ELECTRICAL POWER TRANSFORMERS OF DIFFERENT CAPACITIES (1600-4000 KVA) AND VOLTAGES (33/6.6-3.3 KV)	NOS.	5	"
08-06-00-897	ELECTRICAL LOW-VOLTAGE SWITCH GEAR OF VARIOUS RATINGS AND SIZES	NOS.	1000	"
08-06-00-898	ELECTRICAL MEDIUM-VOLTAGE FLAME PROOF MOTOR, DIFFERENT RATINGS	NOS.	3	"
08-06-00-899	ELECTRICAL LOW-VOLTAGE FLAME PROOF MOTOR, DIFFERENT RATINGS	NOS.	3	"
08-06-00-900	MEDIUM-VOLTAGE (33 KV) DISTRIBUTION PANEL	NOS.	1	"

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MINISTRY OF OIL
ESTABLISHMENT NAME:OIL PIPELINES COMPANY
LOCATION:OIL DEPOTS/PUMPING STATIONS /PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-901	MEDIUM-VOLTAGE CABLE ACCESSORIES; DIFFERENT VOLTAGES AND SIZES	NOS.	160	Maintenance and replacement of general items
08-06-00-902	CABLE-DRUM CARRYING, WHEEL MOUNTED, TRAILER WITH CABLE-LAYING EQUIPMENT	NOS.	5	"
08-06-00-903	SPARE PARTS FOR BALIH PUMPING STATION (ELECTRICAL SPARES)	NOS.	5000	"
	LPG CONTROL AND METERING EQUIPMENT CONSISTING OF THE FOLLOWING:			
08-06-00-904	TURBINE METER	NOS.	3	Equipment for control and safety of gas supplied to bottling plants
08-06-00-905	STRAINER	NOS.	3	"
08-06-00-906	FLOW CALCULATOR	NOS.	3	"
08-06-00-907	TEMPERATURE TRANSMITTER	NOS.	3	"
08-06-00-908	PRESSURE TRANSMITTER	NOS.	3	"
08-06-00-909	GAUGES	NOS.	10	"
08-06-00-910	PIPE FITTINGS	NOS.	100	"
08-06-00-911	STUDS AND BOLTS	NOS.	600	"
08-06-00-912	PNEUMATIC CONTROL VALVE	NOS.	22	"
08-06-00-913	TUBING	MTR	200	"
08-06-00-914	SAFETY VALVE	NOS.	11	"
08-06-00-915	VALVES OF DIFFERENT SIZES	NOS.	80	"
08-06-00-916	SMALL DRY AIR COMPRESSOR	NOS.	10	"
08-06-00-917	DENSITY METER COMPLETE UNIT FOR CONTROL OF MULTI-OIL PRODUCTS IN PIPE LINES WITH ACCESSORIES TRANSDUCERS, ZENER BARRIER, GLANDS, DENSITY SENSOR, VALVES, CABLES, TEMPERATURE SENSOR ..ETC.	SET	10	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PIPELINES COMPANY
LOCATION: OIL DEPOTS/PUMPING STATIONS /PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-918	SPARES FOR AUTOMATIC CONTROL AND SUPERVISION EQUIPMENT IN PUMPING STATIONS TO CONTROL STORAGE AND PUMPING OF OIL PRODUCTS INCLUDING SPARES FOR PANELS AND TANK LEVEL MEASUREMENT	NOS.	100000	Equipment for the safety and measurement of oil products
08-06-00-919	PORTABLE METER PROVING UNIT, WHEEL MOUNTED FOR POSITIVE DISPLACEMENT METERS OF OIL PRODUCTS IN EXISTING PUMPING STATIONS AND RECEIVING DEPOTS.	SET	3	Equipment for flow measurement and calibration
08-06-00-920	PRESSURE TRANSMITTERS AND PRESSURE SWITCHES OF DIFFERENT TYPES AND SIZES WITH SPARE PARTS FOR TWO YEARS OPERATION	NOS.	50	Safety and maintenance equipment
08-06-00-921	ULTRASONIC, DIGITAL THICKNESS METER, COMPLETE WITH 10 NOS. PROBES OF 5 MHz	NOS.	5	NDT equipment
08-06-00-922	HARDNESS METER (PIEZOELECTRIC CRYSTAL)	NOS.	5	"
08-06-00-923	HOLIDAY DETECTOR	NOS.	5	Equipment for checking pipe wrapping
08-06-00-924	WELD GAUGE (THE WELDING INSTITUTE CAMBRIDGE-UK)	NOS.	10	Testing equipment
08-06-00-925	FIXED, MOBILE AND REPEATERS VHF STATIONS FREQUENCY RANGE (145-170) MHz, ANTENNA, POWER SUPPLY WITH ACCESORIES	SET	35	Communication requirements
08-06-00-926	DIGITAL MICROWAVE LINK, COMPLETE UNIT INCLUDING: - RF CHANNEL 2W AND 4W - POWER SUPPLY AND BATTERIES - SPARE PARTS FOR TWO YEARS	SET	4	"

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PIPELINES COMPANY
LOCATION: OIL DEPOTS/PUMPING STATIONS /PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-927	DIGITAL WIRELESS MULTI-ACCESS SYSTEM, COMPLETE UNIT INCLUDING: - BASE STATION WITH ANTENNA - FIXED REMOTE USER TERMINAL - SPARE PARTS FOR TWO YEARS	SET	2	Communication equipment to improve efficiency and safety of operations, and to minimize risk of environmental damage
08-06-00-928	DIGITAL AUTOMATIC TELEPHONE EXCHANGE, COMPLETE WITH ALL ACCESSORIES OF DIFFERENT SIZES WITH SPARE PARTS FOR THREE YEARS	SET	2	"
08-06-00-929	DISPATCHER TELEPHONE SYSTEM, COMPLETE UNIT INCLUDING - TELEPHONE DESK - POWER SUPPLY AND BATTERIES - SPARE PARTS FOR TWO YEARS	SET	2	"
08-06-00-930	TESTING EQUIPMENT FOR TELECOMMUNICATION SYSTEM	NOS.	5	"
08-06-00-931	JOINTING KIT OF DIFFERENT TYPES AND SIZES FOR TELECOMMUNICATION CABLES	KIT	5000	"

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PRODUCTS DISTRIBUTION CO
LOCATION: ALL AREAS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-932	WHEEL LOADER(SHOVELES)	NOS.	7	Heavy equipment for maintenance
08-06-00-933	WHEEL EXCAVATOR	NOS.	3	"
08-06-00-934	LIFTING CRANE CAP. 20 TONS	NOS.	7	"
08-06-00-935	LOW LOADER	NOS.	7	"
08-06-00-936	FORKLIFT(5)TONS	NOS.	10	"
08-06-00-937	FORKLIFT(2)TONS	NOS.	10	"
08-06-00-938	HYDRAULIC CARGO CRANE CAP.5 TONS	NOS.	8	"
08-06-00-939	WELDING MACHINES DIESEL	NOS.	10	"
08-06-00-940	ELECT. DRIVEN WELDING MACHINES	NOS.	20	"
08-06-00-941	DUMP TRUCK 10 M3 - 12 M3 (TILT)	NOS.	10	"
08-06-00-942	DIESEL AIR COMPRESSORS	NOS.	10	"
08-06-00-943	50 KVA DIESEL ELECTRIC GENERATOR	SET	20	Emergency generation equipment
08-06-00-944	100 KVA DIESEL ELECTRIC GENERATOR	SET	10	"
08-06-00-945	250 KVA DIESEL ELECTRIC GENERATOR	SET	10	"

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PRODUCTS DISTRIBUTION CO
LOCATION: ALL AREAS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	PETROL STATIONS:			Equipment for fuel stations and depots
08-06-00-946	FUEL DISPENSERS WITH RECOMMENDED SPARE PARTS	NOS.	700	"
08-06-00-947	SUBMERSIBLE PUMPS	NOS.	150	"
08-06-00-948	NOZZLES & HOSES FOR FUEL DISPENSERS 3/4" TO 1 1/2" SIZE	NOS.	1200	"
08-06-00-949	METERS 1 1/2" WITH RECOMMENDED SPARE PARTS	NOS.	50	
	FUEL LOADING AND UNLOADING PUMPS:			
08-06-00-950	ELECTRIC DRIVEN GEAR TYPE	NOS.	100	Pumps for distribution depots
08-06-00-951	DESIEL DRIVEN GEAR TYPE	NOS.	25	"
08-06-00-952	STEEL PLATES TO MANUFACTURE 50 M3 STORAGE TANKS THICKNSS 8- 10 MM	TON	1200	Materials to construct 50 underground depot tanks
08-06-00-953	WELDING ELECTRODES 4MM, 3.25MM	TON	40	"
08-06-00-954	PIPES SIZES 2" - 6"	MTR.	20000	"
08-06-00-955	FITTINGS SIZE 2" - 6"	NOS	5000	"
08-06-00-956	LIGHTING FITTINGS	NOS.	25000'	"
08-06-00-957	ELECTRIC MOTORS WINDING WIRES	TON	15'	"
08-06-00-958	ELECTRIC CABLES	MTR.	5000'0	"

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PRODUCTS DISTRIBUTION CO
LOCATION: ALL AREAS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-959	INSTRUMENTS FOR MEASURING HYDROCARBON GASES & INSPECTION TESTING, C.W. ACCESSORIES	SET	100	MSA & gas detectors and ultrasonic & thickness gauges
08-06-00-960	LABORATORY TESTING EQUIPMENT, C.W. ACCESSORIES	SET	10	Spot testing analytical equipment
08-06-00-961	FIRE FIGHTING EQUIPMENT: EXTINGUSHERS ,HOSES, NOZZLES, FOAM GENERATORS, FITTING, BRANCHES & WATER MONITORS	SET	500	Fire fighting reagents and equipment
08-06-00-962	SAFETY EQUIPMENT : FIRE FIGHTING SUITS, OVER ALLS & SAFETY HELMETS.	NOS.	2000	"
08-06-00-963	DRY POWDER FOR ABC FIRE EXTINGUISHER	TON	10	"
08-06-00-964	FOAM	LIT.	50000	"
08-06-00-965	LEVEL CONTROL EQUIPMENT FOR SERVICE STATIONS & DEPOTS EACH SET SERVES 8 TANKS	SET	30	Materials for tank level control systems in depots
08-06-00-966	ELECTRONIC EXCHANGES , VHF & HAND HELD RADIO COMMUNICATION SETS WITH ACCESSORIES	SET	78	Communications equipment
08-06-00-967	TELEPHONES & TOOLS FOR MAINTAINING COMMUNICATION SYSTEM : DESK TELEPHONES SURFASE MOUNTED DEVICES FOR SOLDERING & DESOLDERING, P.C.B. PRODUCTION LINE & TOOLS & INSTRUMENTS.	NOS.	250	Communications maintenance equipment for above
08-06-00-968	LIGTH TRUCKS (PICK UP) WITH RECOMMENDED SPARES	NOS.	75	Transportation for maintenance crews
08-06-00-969	LAND CRUSIERS WITH RECOMMENDED SPARE PARTS	NOS.	20	"
08-06-00-970	TANKS CLEANING APPARATUS	SET	6	Sludge removing equipment
08-06-00-971	TRUCK TRACTORS 6X4 (STANDARD) WITH RECOMMENDED SPARE PARTS	NOS.	120	Tractors for towing units

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MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PRODUCTS DISTRIBUTION CO
LOCATION: ALL AREAS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-06-00-972	WEIGH BRIDGES UP TO 100 TON (FOR TRUCKS)	UNIT	5	To ascertain and control truck weights
08-06-00-973	LPG TRUCKS(10 TONS) WITH RECOMMENDED SPARE PARTS	NOS.	10	For LPG distribution to hospitals
08-06-00-974	DESKTOP COMPUTERS WITH PRINTERS & ACCESSORIES	SET	100	For control of product distribution
08-06-00-975	TRUCK CHASSIS FOR TANKS (36 TONS)	NOS.	50	Chassis for tractors
08-06-00-976	COMPLETE LOADING ARMS 3" & 4" WITH RECOMMENDED SPARES	NOS.	50	Loading gantry materials
08-06-00-977	TYRES SIZE 1200X20X18(RADIAL) WITH TUBE AND FLOP FOR TRUCK TRACTORS	NOS.	5000	Tyres
08-06-00-978	TYRES OF VARIOUS TYPES AND SIZES	NOS.	1000	"
08-06-00-979	BATTERIES 135A , 12VOLTS FOR TRUCK TRACTORS	NOS.	3000	Batteries
08-06-00-980	TOOLS AND INSTRUMENTS FOR TESTING AND MAINTENANCE	SET	1000	Jacks etc for depots
08-06-00-981	COMPLETE ENGINES TO REPLACE DAMAGED ONES ON EXISTING TRUCKS OF VARIOUS TYPES.	NOS.	100	Replacement for existing truck engines